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NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER

**P**HOOTOGRAPHIC  
**E**XPLOITATION  
**P**RODUCTS

(See inside cover)

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# MONTHLY INDEX TO PHOTOGRAPHIC EXPLOITATION PRODUCTS APRIL 1979

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PHOTOGRAPHIC EXPLOITATION PRODUCTS

# **MONTHLY INDEX TO PHOTOGRAPHIC EXPLOITATION PRODUCTS APRIL 1979**

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TABLE OF CONTENTS

	Page
Introduction . . . . .	v
Guide to Users . . . . .	vii
Part I. Listing of Reports Alphabetically . . . . .	1
Part II. Listing of Reports by Originator . . . . .	25
Part III. Listing of Reports by General Subject . . . . .	37
Part IV. Listing of Reports by Coordinates . . . . .	61
Part V. Listing of Reports by WAC/BE Number . . . . .	79
Part VI. Listing of Reports by Accession Number . . . . .	95

25X1

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## INTRODUCTION

The Index to Photographic Exploitation Products is a guide to the contents of reports and memoranda produced by means of photographic interpretation. These are added to the Exploitation Products Data File (EPF) of the National Base of Image-Derived Information (NBIDI) when received by the National Photographic Interpretation Center (NPIC). The index includes imagery interpretation reports produced by various components of the Army, Navy, Air Force, Central Intelligence Agency, Defense Intelligence Agency, and foreign governments, as well as those produced by NPIC. At the request of COMIREX/NIDBWG, this publication is compiled and published monthly then cumulated annually by NPIC for the use of properly cleared components of USIB member organizations.

Listed documents are on file in NPIC, and microfiche copies are available to requesters when parent organizations are unable to provide copies. Information, such as bibliographies on specific subjects, is available from the EPF to answer requests which cannot be satisfied from the PEP.

Requests for regular distribution of the PEP, for additional information from the EPF, or for microfiche copies of documents should be channeled through appropriate liaison offices located in NPIC. Organizations which do not have a liaison office in NPIC should submit the request in writing to NPIC/PSG/RSD/IB.



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## GUIDE TO USERS

The PEP consists of six indexes:

- Subject in alphabetic sequence.
- Originator in report type/number sequence.
- General category with subject in alphabetic sequence.
- Geographic coordinate sequence. (Geographic coordinates area listed where a single area is involved.)

- WAC/BE number sequence.
- Accession number sequence.

The accession number sequence may be referred to for complete information on each document, including edited abstracts. An asterisk at the end of an abstract indicates the abstract was prepared by the Reports Analysis Section. Selected information is contained in the other sequences. The accession number should be used when requesting microfiche copies of documents.

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ABBREVIATIONS AND NUMERIC CODES

REPORT TYPES

ARA -All Source Research Aid  
BIBLO -Bibliography  
BIIB -Basic Imagery Interpretation Brief  
BIIR -Basic Imagery Interpretation Report  
BRAD -Briefing Aid (Only Microfiche Copies are available)  
BREF -Photographic Interpretation Brief

IRP -Imagery Research Paper  
LOT -Letter of Transmittal  
MCS -Mission Coverage Statistics  
MEMO -Memorandum  
MIPIR -Multi-mission Imagery Interpretation Report  
MODL -Model Announcement  
NAIR -New Applications of Imagery Report  
NBRG -National Basic Reference Graphic  
NEDR -Detailed Photographic Interpretation Report (Near East)  
NEGR -General Photographic Interpretation Report (Near East)  
NEIR -Initial Photographic Interpretation Report (Near East)  
NESR -Special Photographic Interpretation Report (Near East)  
NEWS -Technical Newsletter  
NOTE -Photographic Interpretation Note  
OAK -Initial Mission Readout  
PAR -Photographic Analysis Report  
PIN -Photographic Interpretation Note  
PIR -Photographic Interpretation Report  
REPT -Photographic Interpretation Report  
SPIR -Special Photographic Intelligence Report

DPIR -Detailed Photographic Interpretation Report  
DSIIB -Direct Support Photographic Interpretation Brief  
DSIIR -Direct Support Photographic Interpretation Report  
ENDR -Engineering Drawing  
FEDR -Detailed Photographic Interpretation Report (Far East)  
FEGR -General Photographic Interpretation Report (Far East)  
FESR -Special Photographic Interpretation Report (Far East)  
IIM -Imagery Interpretation Memorandum  
IIR -Imagery Information Report  
INFR -Inter-office Memorandum  
IPIR -Initial Photographic Interpretation Report  
IRA -Imagery Research Aid

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ABBREVIATIONS AND NUMERIC CODES (CONTINUED)

REPORT TYPES (Continued)

SR - Summary Report

STDY - Study

SUPR - Supplemental Photographic Intelligence Report

TP - Technical Publication

08 - CONFIDENTIAL

10 - TOP SECRET CHESS

11 - TOP SECRET CHESS

13 - TOP SECRET CHESS RUFF

14 - TOP SECRET CHESS RUFF

20 - TOP SECRET UMBRA

21 - TOP SECRET UMBRA

22 - TOP SECRET CHESS UMBRA

23 - TOP SECRET CHESS UMBRA

24 - TOP SECRET CHESS RUFF UMBRA

25 - TOP SECRET CHESS RUFF UMBRA

25 - TOP SECRET CHESS RUFF ZARF UMBRA

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SECURITY CLASSIFICATION

00 - UNCLASSIFIED

01 - TOP SECRET

02 - TOP SECRET

04 - SECRET

05 - SECRET

07 - CONFIDENTIAL

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**ORIGINATOR**

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

AF - AIR FORCE

ARMY - ARMY

CIA - CENTRAL INTELLIGENCE AGENCY

DIA - DEFENSE INTELLIGENCE AGENCY

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE COMMITTEE

JOINT - JOINT (2 or more USIB members participating)

NATO - NORTH ATLANTIC TREATY ORGANIZATION

NAVY - NAVY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NSA - NATIONAL SECURITY AGENCY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

SAC - SAC (544th RTS)

SAC-1 - SAC-1 (8th RTS)

SAC-2 - SAC-2 (3921 ST RTS)

SAC-C - SAC-C (15th RTS)

STL - SPACE TECHNOLOGY LABORATORY

USIB - UNITED STATES INTELLIGENCE BOARD

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EPF SUBJECT CATEGORIES

05 - AIR ACTIVITY

Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.

10 - GENERAL ACTIVITY

Complex studies, unidentified installations/equipment, and terrain or analyses. agriculture analyses.

13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

Radar and radio installations/equipment, missile, air, naval related installations/equipment, production, research, testing.

30 - INDUSTRIAL ACTIVITY

Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)

35 - MILITARY ACTIVITY

Ground force installations/equipment, production, testing, research, and repair.

40 - MISSILE & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

55 - NUCLEAR ACTIVITY

Mining, production, research, testing, storage, and nuclear power plants.

60 - OVERLAYS/PLOTS

Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.

65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

75 - NAVAL ACTIVITY

Submarine bases, naval bases and air stations, shipyards, research, and equipment.

80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

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**PART I**

**Listing of Reports Alphabetically**

TOP SECRET CHESS RUFF ZARF UMBRA

SUBJECT	COUN	COORD	ACCN NO.
ADEN AMMUNITION STGE + TEST AREA M-1977 MRL	YS	124745N 0450155E	5086707
ADEN AMMUNITION STGE + TEST AREA M-1977 MRL	YS	124745N 0450155E	
AIRCRAFT, FLAGON F SU-15	UR		5086585
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	MG		5086654
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	UR		
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	PI		
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	CZ		
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	HU		
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	BU		
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	AL		
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	RO		
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	YO		
AL ISKANDARIYAH PORT FACILITIES	EG	311140N 0295255E	5086552
ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I	UR	430910N 0762330E	5086837
ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I	UR	431211N 0763603E	5086836
ANISIMOVO RADIO RELAY STATION NEW	UR	591000N 0350930E	5086726
ARSEN'EV AIRFRAME PLANT 116 CONST SUMMARY	UR	440859N 1331523E	5086305
ARVAYHEER ARMY BKS AL1 RSV EQUIP ACTIVATED	MG	462200N 1024800E	5086698
ARVAYHEER HELIPORT CURL AN-26/CRATE IL-14	MG	462100N 1025000E	
ASTARA RTP ACTIVITY INCREASE	IR	3826 N 04852 E	5086312
ASTARA RTP ACTIVITY INCREASE	IR	3826 N 04852 E	
ASTRAKHAN GAS FIELD DEVELOPMENT	UR	4621 N 04803 E	5086495
BAGHAL CHUR URANIUM MINING ACTIVITY	PK	301302N 0701635E	5086309
BALAKLAVA MARINE MAMMAL RSCH STA PROB IDENT	UR	4430 N 03336 E	5086504
BALAKLAVA MARINE MAMMAL RSCH STA PROB IDENT	UR	4430 N 03336 E	

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SUBJECT	COUN	COORD	ACCN NO.
BANDAR ABBAS PORT FACILITIES	IR	271039N 0561602E	S086312
BANDAR E SHAHPUR PORT FACILITIES ACT DECREASE	IR	302520N 0490450E	
BATAJNICA AIRFIELD AIRCRAFT BUNKERS	YO	445630N 0201500E	S086643
BELAYA TSEKOV AIRFIELD MOSS TU-126	UR	494749N 0300135E	S086843
BERAT/STALIN AIRFIELD AIRCRAFT BUNKERS	AL	404625N 0195405E	S086570
BERESTOVITSA PETROLEUM PRODUCTS STORAGE U/G	UR	530542N 0235615E	S087001
BISKRA AIRFIELD HIND A MI-24/SHPG CONTS IDENT	AG	344736N 0054417E	S086689

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BORISOV AVTOKOLONNA	UR	541540N 02A3030E	S086652
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BREST ENGINEER STORAGE FACILITY	UR	520540N 0233815E	S086724
BRONNITSY ARMORED VEHICLE RESEARCH FACILITY	UR	552651N 0381427E	S086372
BRONNITSY MILITARY VEHICLE TEST AREA	UR	552700N 0380800E	

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SUBJECT	COUN	COORD	ACCN NO.
BRYANSK GUIDED MISSILE SUPPORT EQUIP PLANT 2	UR	531713N 0342352E	S086372
BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	UR	531502N 0342419E	
BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	UR	531502N 0342419E	
CERKLJE AIRFIELD AIRCRAFT BUNKERS	YO	455401N 0153155E	S086566
CHAGODA RADIO RELAY STATION NEW	UR	591054N 0352005E	S086726
CHENGDU AIRCRAFT ENGINE PLANT 420	CH	303858N 1040653E	S086489
CHERVONO GLINSKOYE AIRFIELD FLAGON SU-15	UR	455650N 0292239E	S086720
CHIANGTZU ARMY BARRACKS	CH	285500N 0893620E	S086583
CHIANGTZU ARMY BARRACKS NW	CH	285702N 0893130E	
CHICHIHAERH ARMS + AMMUNITION PARTS PLANT 127	CH	472003N 1235832E	S086481
CHINCHOU MILITARY AREA 2	CH	4107 N 12111 E	S086553
CHINCHOU MILITARY BARRACKS AL5 + HQ ARTY DIV	CH	410744N 1211059E	S086554
CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	UR	520505N 1132920E	S086651
CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	UR	520505N 1132920E	
CHUANTU MILITARY BARRACKS AREA	CH	282620N 0893530E	S086583
CHUEHNU ARMY BARRACKS/DEPOT/SUPPORT AREA	CH	294028N 0942040E	
CHUEHNU ARMY BARRACKS/DEPOT/SUPPORT AREA	CH	294028N 0942040E	
CHUEHNEIHSI MILITARY BARRACKS AREA	CH	284220N 0893825E	
CHUSHUI AAA COMPLEX	CH	2919 N 09014 E	
CONSTANTA/MIHAIL KOGALNICEANU AFLD RSBN-4N	RO	442131N 0282920E	S086589
DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	160233N 1081215E	S086690
DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	160233N 1081215E	

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SUBJECT	COUN	COORD	ACCN NO.
DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	160233N 1081215E	
DEPUTATSKIY TROPOSCATTER/MICROWAVE TOWER POSS	UR	6912 N 13947 E	S086494
DNEPROPETROVSK MISSILE DPC CONST SUMMARY	UR	482601N 0345828E	S086305
DNEPROPETROVSK MISSILE DPC SSM ACTIVITY	UR	482601N 0345828E	S086488
DOLINSKAYA AIRFIELD LRA SUPPORT CAPABILITY	UR	480130N 0324154E	S086833
DOLINSK/SOKOL AIRFIELD FLAGON SU-15 COUNTS	UR	471536N 1424617E	S086828
DOMNA AIRFIELD FLOGGER MIG-23	UR	515500N 1130718E	S086714
DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	425400N 1322110E	S086302
DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	425400N 1322110E	
DZEM ARMY BARRACKS AL1	CH	294749N 0935803E	S086583
DZEM ARMY BARRACKS AL2	CH	294845N 0935010E	
ELECTRONICS, BOW + ARROW INTERFEROMETER MODIF	UR		S086671
ELECTRONICS, ESM INTERCEPT SYSTEM NEW POSS	UR		S086664
ELECTRONICS, ICBM TYPE 3H GUIDANCE RLTD FACS	UR		S086273
ELECTRONICS, RADAR NETWORK COASTAL/NW BORDER	AG		S086498
ELECTRONICS, RADIO RELAY STATIONS NEW TYPE	UR		S086378
ELECTRONICS, 64-ELEMENT TLMTRY ANTS MSL ASSOC	UR		S086448
EMBA MTC LAUNCH CPLX SPOON REST D RDR VAN MTD	UR	483103N 0580207E	S086477
ENGELS/LEBEDOVO AIRFIELD LRA SUPPORT CPBL	UR	511712N 0461355E	S086832
FAUSTOVO AEROSPACE R+D FACILITY	UR	552746N 0383143E	S086272
FAUSTOVO AEROSPACE R+D FACILITY SSM ACTIVITY	UR	552746N 0383143E	S086488

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SUBJECT	COUN	COORD	ACCN NO.
FEODOSIYA SHIPYARD YUZH-A CLASS PGHB NEW	UR	450711N 0352953E	S086631
FEODOSIYA SHIPYARD YUZNAYA TOCHKA FAC NEW U/C	UR	450711N 0352953E	S086862
FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC	SF	340420S 0184530E	S086375
FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC	SF	340420S 0184530E	
GDANSK MILITARY BARRACKS	PL	542230N 0184027E	S086644

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GOLERKANY CIVIL DEFENSE GOVERNMENT RELOC SITE	UR	4719 N 02905 E	S086376
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GORKIY ARMAMENT PLT NOVOYE SORMOVO STALIN 92	UR	561936N 0435321E	S086372
GORKIY MOTOR VEHICLE PLANT GAZ	UR	561448N 0435341E	
GORODOK AIRFIELD NE LRA AIRCRAFT SUPPORT CPBL	UR	494935N 0234130E	S086687
GOSTOMEL AIRFIELD LRA AIRCRAFT SUPPORT CPBL	UR	503601N 0301143E	S086825

25X1

GULF OF SOLLUM ANCHORAGE SOVIET NAVAL UNITS	EG	314700N 0253500E	S086630
HAICHENG ARMY BARRACKS NNE AL7	CH	405148N 1224519E	S086574
HAILUNG ARMY BARRACKS WEST AL3	CH	423847N 1254839E	S086560
HEISHAN ARMY BARRACKS AL1	CH	414115N 1220640E	S086556
HOCHING ARMY BARRACKS AL2 ARMOR DPL NEW	CH	422050N 0862245E	S086693

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HSIMIAO ARMY BARRACKS AL1	CH	410120N 1001312E	S086538
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SUBJECT	COUN	COORD	ACCN NO.
HSIMIAO ARMY BARRACKS AL2	CH	410025N 1001310E	S086540
HUINAN ARMY BARRACKS WEST AL1	CH	424103N 1255943E	S086559
H-3 AIRFIELD CONSTRUCTION ACTIVITY	IZ	325616N 0394444E	S086672
INDUSTRY, PETROLEUM REFINING DEVELOPMENTS	UR		S086376

25X1

IVANKOVSKIY GUIDED MISSILE PLT CONST SUMMARY	UR	564521N 0370700E	S086305
IVANO FRANKOVSK ARMY BARRACKS AL5	UR	485415N 0244005E	S086853
IVANOVO CRANE PLANT	UR	565819N 0405715E	S086372

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JENCHINGKANG STRONGPOINT 1	CH	272608N 0885426E	S086583
JENCHINGKANG STRONGPOINT 2	CH	272548N 0885524E	
JIHKOTSE ARMY BARRACKS AL2	CH	291456N 0885247E	
JIHKOTSE ARMY BARRACKS AL3	CH	291540N 0885205E	
JIHKOTSE ARMY BARRACKS AL4	CH	291900N 0890210E	
JIHKOTSE MILITARY AREA EAST	CH	292001N 0885803E	
JOLFA RAIL TRANSSHIPMENT POINT ACT DECREASE	IR	3857 N 04538 E	S086312

25X1

KALININ RAILROAD LOCOMOTIVE + CAR MFG/RPR PLT	UR	565206N 0355053E	S086372
KALININO AIRFIELD LRA SUPPORT CAPABILITY	UR	410630N 0441600E	S086829
KAMENSK SHAKHTINSKIY SOLID MOTOR PROD PLANT	UR	481750N 0401049E	S086678
KANGKO MILITARY BARRACKS AREA	CH	291922N 0942330E	S086583
KAPUSTIN YAR MTC RANGEHEAD TRKG FAC BOW/ARROW	UR	483858N 0454538E	S086671
KAUNAS AIRCRAFT REPAIR BASE	UR	545240N 0235500E	S086564

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25X1

SUBJECT	COUN	COORD	ACCN NO.
KAZACHYE U/I CONSTRUCTION	UR	7044 N 13610 E	S086494
KAZAN AIRFRAME PLANT A387	UR	554801N 0490251E	S086702

KHABAROVSK SHIPYARD USSURI SOUTH 143M ARD T	UR	482405N 1350226E	S086861
KHABAROVSK SHIPYARD USSURI SOUTH 876 ARD D	UR	482405N 1350226E	S086999
KHMELNITSKIY ARMY TRAINING AREA SE	UR	492330N 0270200E	S086844
KHORRAMSHAHR PORT FACILITIES DISRUPTIONS	IR	302615N 0480910E	S086312
KIPELOVO AIRFIELD	UR	591124N 0390740E	S086662
KIPELOVO AIRFIELD GCA SITE	UR	591124N 0390740E	
KIPELOVO AIRFIELD PETROLEUM PRODUCTS STGE RSV	UR	591329N 0390947E	
KIPELOVO NAVAL AVIATION COMD POST BKR SOUTH	UR	591130N 0390810E	
KIPELOVO NAVAL AVIATION COMMAND POST BKR NE	UR	591414N 0391138E	
KIRISHI RADIO RELAY STATION	UR	592630N 0320040E	S086726
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR	583834N 0493709E	S086305
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR	583834N 0493709E	

KLINETS RADIO RELAY STATION NEW	UR	592900N 0325400E	S086726
KOCHUBEYEVKA AIRFIELD NO SIGNIFICANT CHANGE	UR	494444N 0350132E	S086831
KOLPINO SHIPYARD MIDDLE NEVA T-58 MSF MODIF	UR	594716N 0303754E	S086846
KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	UR	574534N 0405333E	S086372
KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	UR	574534N 0405333E	

7  
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SUBJECT	COUN	COORD	ACCN NO.
KOTA ARMY BARRACKS AL1	CH	295133N 0954557E	S086583
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	562208N 0411934E	S086305
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	562208N 0411934E	
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	562208N 0411934E	
KRASNOYARSK ARMS PLT VOROSHILOV CONST SUMMARY	UR	560054N 0925913E	
KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	UR	560236N 0930237E	S086681
KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	UR	560236N 0930237E	
KRASNY BOR RADIO RELAY STATION NEW	UR	594025N 0304210E	S086726
KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	CH	295246N 1220033E	S086370
KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	CH	295246N 1220033E	
KULAR COMMUNICATIONS FACILITY SEARCH	UR	7038 N 13420 E	S086494
KUNGKA AAA SITE	CH	2917 N 09101 E	S086583
KUNGKA MILITARY VEHICLE MAINTENANCE/STGE DPO	CH	291647N 0910108E	
KUNGPUCHIANGTA ARMY BARRACKS AL1	CH	295310N 0931425E	
LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	2150 N 10645 E	S086692
LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	2150 N 10645 E	
LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	2150 N 10645 E	
LASA AAA SITES	CH	2939 N 09105 E	S086583
LASA ARMY BARRACKS SOUTH AL2	CH	293755N 0910830E	
LASA ARMY BARRACKS WEST AL5	CH	293827N 0910141E	
LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7	CH	293912N 0910312E	
LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7	CH	293912N 0910312E	
LASA MILITARY BARRACKS AL4 + HQ TIBET MD	CH	293846N 0910740E	
LENINGRAD GUIDED MSL PLANT 458 CONST SUMMARY	UR	595934N 0301721E	S086305

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SUBJECT	COUN	COORD	ACCN NO.
LENINGRAD HEAVY EQUIP PLANT 185 FAB BLDG NEW	UR	595302N 0301456E	S086849
LENINGRAD INSTRUMENT STATE PLANT LI7	UR	595613N 0302319E	S086637
LIAOYANG ARMY BARRACKS AL2 + HQ ARTILLERY DIV	CH	411443N 1230827E	S086573
LIAOYANG MILITARY AREA 1	CH	4116 N 12310 E	S086572
LIENKENGWANG IRBM SITE 4	CH	300202N 1173634E	S086333
LIENKENGWANG IRBM SITE 5	CH	300636N 1173433E	
LIENKENGWANG IRBM SITE 6	CH	300846N 1173421E	
LIENKENGWANG IRBM SITE 8	CH	300446N 1173443E	
LIEPAJA AIRFIELD TALL KING AW RADAR ELCT O/B	UR	562750N 0210120E	S086474
LINCHIH ARMY BARRACKS AL1	CH	292951N 0942727E	S086583
LINCHIH ARMY BARRACKS AL2	CH	293353N 0942906E	
LIUCHOU AIRFIELD BEAGLE IL-28/BAT TU-2 DPL	CH	241638N 1092304E	S086464

25X1

LOMONOSOV LASER WPNS FAC FAN-SHAPED RANGE U/C	UR	595412N 0290118E	S086446
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25X1

LOYANG MOTOR VEHICLE PLANT NORTH HSICHENGLIU	CH	350450N 1122541E	S086860
LYUBAN RADIO RELAY STATION NORTH NEW	UR	592150N 0311450E	S086726
MAKAT ASM IMPACT AREA B RADAR TGTS/CRTRS NEW	UR	480600N 0534400E	S086506
MANDALGOVI MILITARY INSTALLATION MRD MBLZTN	MG	454459N 1061443E	S086697

25X1

MARY SAM SUPPORT FACILITY 2	UR	373510N 0615130E	S086713
MARY SAM SUPPORT FACILITY 3 SA-6 ACTIVITY	UR	373500N 0615130E	

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

SUBJECT	COUN	COORD	ACCN NO.
MAYKOP ARMY BKS SOUTH MRD SECOND GENERATION	UR	443428N 0400732E	S086656
MBARARA ARMY BARRACKS BATTLE DAMAGE	UG	003430S 0304140E	S086786
MIENYANG MILITARY BARRACKS + STORAGE AREA	CH	313000N 1044535E	S086584
MIENYANG MILITARY BARRACKS + STORAGE AREA	CH	313000N 1044535E	S086584
MILIN ARMY BARRACKS AL2	CH	291120N 0940322E	S086583
MILITARY, ACTIVITY SUMMARY CHENGDU MR	CH		S086583
MILITARY, ACTIVITY SUMMARY SOUTH YEMEN FORCES	YE		S086634
MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086491
MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086501
MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086499
MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086500
MILITARY, ARMORED FORCES REORGANIZATION	IZ		S086497
MILITARY, ARMS + TECH ASSISTANCE NORTH KOREAN	LY		S086376
MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086470
MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086469
MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086468
MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086694
MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086692
MILITARY, GAZ-66 SMOKE GENERATING VEHICLE	UR		S086562

MILITARY, GROUND FORCES WESTERN MD	EG		S086311
MILITARY, MOTORIZED RIFLE BNS BTR-60PB COUNTS	UR		S086376

25X1

25X1

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TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
MILITARY, M-1977 MRL RESUPPLY VEHICLE	UR		S086857
MILITARY, M-1977 SELF-PROPELLED GUN NEW	KN		S086472
MILITARY, M-1977 240MM SELF-PROPELLED MORTAR	UR		S086857
MILITARY, RAIL TRANSLOADING FACILITIES	PL		S086484
MILITARY, SIGNAL REGIMENTS DPL/ORG/EQUIPMENT	UR		S086444
MILITARY, T-64 MEDIUM TANK	UR		S086850
MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086469
MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086468
MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086470
MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086694
MILITARY, VIETNAM/CHINA BORDER ACTIVITY	VM		S086692
MILOVICE SA-6 TRNG SITE A02 FLAT FACE MODIF	CZ	501530N 0145335E	S086588
MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	UR	535131N 0273931E	S086445
MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	UR	535131N 0273931E	
MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT	UR	535131N 0273931E	S086372
MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT	UR	535131N 0273931E	

25X1

MISSILES, AAM COMPONENTS/HARDWARE	UR		S086272
MISSILES, AS-4 + VARIANT	UR		S086473
MISSILES, CRUISE MISSILE CRATE PRODUCTION	CH		S086482
MISSILES, CSS-X-4 1ST STAGE TRANSFER CAR B2	CH		S086571
MISSILES, CSS-X-4 1ST STAGE TRANSPORTER C1	CH		
MISSILES, CSS-X-4 1ST STAGE TRANSPORTER E	CH		
MISSILES, CSS-X-4 2ND STAGE TRANSFER CAR B3	CH		

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
MISSILES, CSS-X-4 2ND STAGE TRANSPORTER C2	CH		
MISSILES, CSS-X-4 2ND STAGE TRANSPORTER F	CH		
MISSILES, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		
MISSILES, CSS-1 A-FRAME CRANE	CH		
MISSILES, CSS-1 LAUNCH STAND TRAILER	CH		
MISSILES, CSS-1 LAUNCH STAND TRUCK	CH		
MISSILES, CSS-1 TRANSPORTER ROAD TYPE A1	CH		
MISSILES, CSS-1 TRANSPORTER/ERECTOR	CH		
MISSILES, CSS-1/CSS-2 CHERRY PICKER	CH		
MISSILES, CSS-1/CSS-2 CRANE TRUCK MOUNTED	CH		
MISSILES, CSS-1/CSS-2 TRANSFER RAILCAR B1	CH		
MISSILES, CSS-1/CSS-2 TRANSPORTER RAIL TYPE A	CH		
MISSILES, CSS-2 CHECKOUT SUPPORT VEHICLE POSS	CH		
MISSILES, CSS-2 CONTROL/ALIGNMENT VAN	CH		
MISSILES, CSS-2 LAUNCH STAND TRANSPORTER	CH		
MISSILES, CSS-2 MOBILE LIGHTNING ARRESTER	CH		
MISSILES, CSS-2 PROPELLANT VEHICLE 1 TYPE K	CH		
MISSILES, CSS-2 PROPELLANT VEHICLE 2 TYPE L	CH		
MISSILES, CSS-2 TRANSPORTER/ERECTOR 1	CH		
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER 1	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		
MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		
MISSILES, CSS-3 2ND STAGE TRANSPORTER	CH		
MISSILES, PROPELLANT RAILCAR TYPE A	CH		
MISSILES, PROPELLANT RAILCAR TYPE B	CH		
MISSILES, PROPELLANT RAILCAR TYPE C1	CH		
MISSILES, PROPELLANT RAILCAR TYPE C2	CH		
MISSILES, PROPELLANT RAILCAR TYPE D	CH		
MISSILES, PROPELLANT RAILCAR TYPE F	CH		
MISSILES, PROPELLANT RAILCAR TYPE G	CH		

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TOP SECRET CHESS RUFF ZARF UMBRA

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SUBJECT	COUN	COORD	ACCN NO.
MISSILES, PROPELLANT RAILCAR TYPE H	CH		
MISSILES, PROPELLANT RAILCAR TYPE I	CH		
MISSILES, PROPELLANT RAILCAR TYPE J	CH		
MISSILES, PROPELLANT RAILCAR TYPE K	CH		
MISSILES, PROPELLANT RAILCAR TYPE L	CH		
MISSILES, PROPELLANT RAILCAR TYPE M	CH		
MISSILES, PROPELLANT RAILCAR TYPE N	CH		
MISSILES, PROPELLANT VEHICLE TYPE A	CH		
MISSILES, PROPELLANT VEHICLE TYPE B	CH		
MISSILES, PROPELLANT VEHICLE TYPE C	CH		
MISSILES, PROPELLANT VEHICLE TYPE D	CH		
MISSILES, PROPELLANT VEHICLE TYPE E	CH		
MISSILES, PROPELLANT VEHICLE TYPE F	CH		
MISSILES, PROPELLANT VEHICLE TYPE M	CH		
MISSILES, PROPELLANT VEHICLE TYPE N	CH		
MISSILES, PROPELLANT VEHICLE TYPE O	CH		

MISSILES, SA-8 CANISTER	UR		S086586
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25X1

MISSILES, SA-8 TRANSLOADER	UR		S086586
MISSILES, SRBM TRANSPORTER/ERECTOR TYPE C	CH		S086571
MISSILES, SSM DEVELOPMENTS R+D/PROD INSTLS	UR		S086488
MISSILES, SSM GANTRY CRANE	CH		S086571
MISSILES, SSM GROUND SUPPORT EQUIPMENT	CH		
MISSILES, SS-11 COMPLEXES ACTIVITY SUMMARY	UR		S086851
MISSILES, SS-11 PROPELLANT TRANSFER FAC MODIF	UR		S086284
MISSILES, SS-11/SS-17 COMPLEXES ACT SUMMARY	UR		S086851
MISSILES, SS-11/SS-19 COMPLEXES ACT SUMMARY	UR		
MISSILES, SS-9/SS-18 COMPLEXES ACT SUMMARY	UR		
MISSILES, TRANSPORTER RAIL TYPE D	CH		S086571
MISSILES, TRANSPORTER RAIL TYPE E	CH		
MISSILES, TRANSPORTER ROAD TYPE B	CH		

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
MISSILES, TRANSPORTER ROAD TYPE G	CH		
MOSKVA ARMY BARRACKS AL42 + SIGNAL REGIMENT	UR	555222N 0372840E	S086840
MOSKVA GUIDED MISSILE PLANT 41 CONST SUMMARY	UR	554939N 0373023E	S086305
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	554547N 0375209E	S086272
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	554547N 0375209E	
MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	554547N 0375209E	S086488
MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	554547N 0375209E	
MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR	555544N 0373027E	S086305
MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR	555544N 0373027E	
MOSKVA MISSILE ASSOCIATED INSTL SILO CONV	UR	551143N 0363735E	S086487
MOSKVA MISSILE PROD PLT FILI 23 CONST SUMMARY	UR	554530N 0372928E	S086305
MOSKVA MISSILE PRODUCTION PLANT FILI 23	UR	554530N 0372928E	S086272
MOSKVA MISSILE PRODUCTION PLT FILI 23 SSM ACT	UR	554530N 0372928E	S086488
MOSKVA MOTOR VEHICLE PLANT LIKHACHEV	UR	554146N 0373833E	S086372
MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	UR	554527N 0374354E	S086650
MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	UR	554227N 0374354E	S086839
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	555130N 0373630E	S086488
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	555130N 0373630E	

25X1

NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	283752N 1155526E	S086482
NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	283752N 1155526E	
NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	283752N 1155526E	
NENOKSA NAVAL MTC LAUNCH FAC D ERECTOR/LOADER	UR	643835N 0391220E	S086629

25X1

14  
TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
NIENSHENG MILITARY CONVOYS	CH	2152 N 10705 E	S086692
NOVOCHERKASSK ARMY BARRACKS AL9	UR	472430N 0400625E	S086859
NOVOGRUDOK ARMY BARRACKS AL1	UR	533458N 0254745E	S087000

25X1

OBRVA AIRFIELD AIRCRAFT BUNKERS	YO	434915N 0203509E	S086648
OCHINACHI DEFENSIVE STRONGPOINT	CH	422040N 1011400E	S086551
OKTYABRSKOYE AIRFIELD PRE-FLIGHT ACTIVITY	UR	451930N 0340623E	S086632
OLANG MILITARY BARRACKS AREA	CH	290820N 0934218E	S086583
OMSK AIRFRAME PLANT 166 CONSTRUCTION SUMMARY	UR	545759N 0732748E	S086305
ONDANGUA AIRFIELD AIRCRAFT INCREASE	WA	175300S 0155800E	S086695
OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	UR	525520N 0360132E	S086372
OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	UR	525520N 0360132E	
ORENBURG GUIDED MISSILE PLANT 47 SSM ACTIVITY	UR	514818N 0550802E	S086488
ORENBURG GUIDED MISSILE PLT 47 CONST SUMMARY	UR	514818N 0550802E	S086305
OSIPOVICH I ARMY BKS SOUTH AL2 M-1977 MRL DPL	UR	531727N 0283837E	S086465

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
PAICHENG ARMY BARRRACKS NORTH AL5	CH	453910N 1225015E	S086582
PANGTA ENGINEER BARRACKS AL1	CH	303338N 0970638E	S086583
PANSHIH ARMY BARRACKS SE AL1 + HQ ARTY DIV	CH	425604N 1260424E	S086558
PANSHIH ARMY BARRACKS SOUTH AL2	CH	425150N 1260250E	S086561
PANSHIH MILITARY AREA 1	CH	4256 N 12604 E	S086557
PAVLOGRAD SOLID MOTOR ASBLY + TEST SUPT FACIL	UR	482658N 0355723E	S086685
PAVLOGRAD SOLID MOTOR PRODUCTION PLANT	UR	483401N 0354912E	S086673
PEICHEN ARMY BARRACKS AL1	CH	413607N 1214655E	S086555
PELINDABA STONE QUARRY EXPLOSIONS	SF	2549 N 02755 E	S086503
PERM ICBM COMPLEX HQ COMSAT STATION ANTENNAS	UR	574550N 0561125E	S086816
PERVOMAYSK MILITARY INSTALLATION	UR	480220N 0305110E	S086856
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	595914N 0305935E	S086684
PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	595914N 0305935E	S086684
PETROPAVLOVSK/YELIZOVO AIRFIELD COOT MODIFIED	UR	531017N 15A2711E	S086505
PIPITANG MILITARY STORAGE AREA	CH	272710N 08A5500E	S086583

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16  
TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
PIPITANG STRONGPOINT	CH	272555N 0885525E	
PLESETSK MTC RANGEHEAD TRACKING FAC BOW/ARROW	UR	624645N 0402010E	S086671
POCHEP AIRFIELD LRA AIRCRAFT SUPPORT CPBL	UR	525555N 0332400E	S086827
PROJECT HAT TRICK	CH		S086583
PULA AIRFIELD AIRCRAFT BUNKERS	YO	445340N 0135520E	S086641
PUNTA MOVIDA NAVAL FACILITY PROB CONST ACT	CU	220315N 0802640W	S086663

25X1

RANGAO ARMY BARRACKS AL1	CH	294445N 0960650E	S086583
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25X1

RIGA AIRCRAFT REPAIR BASE	UR	565832N 0240351E	S086568
RIGA AIRFIELD WEST MOSS TU-126 SEARCH	UR	565525N 0235817E	S086834
ROSTOV AIRCRAFT REPAIR BASE	UR	471546N 0394846E	S086646
ROVNO MILITARY SUPPLY DEPOT NORTH 001	UR	503749N 0261437E	S086645
RUBTSOVSK TRACTOR PLANT ALTA 1	UR	513222N 0811237E	S086372

25X1

SARY SHAGAN MTC COMPLEX B ABM-1B SILOS	UR	460106N 0722804E	S086376
SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING	UR	453745N 0723500E	
SARY SHAGAN MTC PHASED-ARRAY RADAR FAC NORTH	UR	463600N 0743000E	S086705
SARY SHAGAN MTC R+D COMPLEX FACILITY A	UR	455045N 0733104E	S086665
SAVELYEVO RADIO RELAY STATION	UR	560803N 0370420E	S086725

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT

COUN

COORD

ACCN NO.

25X1

SEVERODVINSK SHIPYARD 402 CRATES U/I	UR	643438N 0394832E	S086447
SEVERODVINSK SHIPYARD 402 LAUNCH BASIN OPRTNL	UR	643438N 0394832E	S086376
SEVERODVINSK SHIPYARD 402 PRESSURE HULLS PROB	UR	643438N 0394832E	S086854
SHAIBAH AIRFIELD HIND D MI-24 IDENTIFICATION	IZ	302535N 0473842E	S086466
SHARM ASH SHAYKH PORT FAC SPECIAL-PURPOSE AKL	EG	275110N 0341715E	S086670
SHIPS, ARD D FLOATING DRYDOCK	UR		S086999
SHIPS, T-58 CLASS MSF MODIFIED	UR		S086846
SHIPS, V-3 CLASS SSN	UR		S086376
SHIPS, YUZH A CLASS PGHB	UR		S086631
SHIPS, 143-METER ARD T	UR		S086861
SHIPS, 960-TON SUBMARINE	YO		S086587
SHUANGCHENG TZU ARMY BARRACKS AL1	CH	410650N 1001650E	S086541
SHUANGCHENG TZU ARMY BARRACKS AL2	CH	410631N 1002025E	S086542
SHUANGCHENG TZU DEFENSIVE STRONGPOINT	CH	411613N 1002013E	S086543
SHUANGCHENG TZU MILITARY AREA	CH	4130 N 10030 E	S086537

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH	410800N 1001500E	S086376
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH	410800N 1001500E	
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 1	CH	421851N 1010654E	S086550
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 2	CH	415310N 1003327E	S086546
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 3	CH	415610N 1010140E	S086547
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 4	CH	414323N 1002727E	S086545
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 5	CH	414557N 1004208E	S086544
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 6	CH	420703N 1005405E	S086549
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 8	CH	402546N 0995046E	S086539
SHUANGCHENG TZU WEAPONS POSITIONS	CH	420318N 1012212E	S086548

25X1

SLAVUTA AMMUNITION DEPOT WEST DA1	UR	501827N 0264902E	S086657
SOKHONDO AIRFIELD	UR	515040N 1122850E	S086354
SOLIKAMSK POWDER + SOLID MOTOR PLANT BOROVSK	UR	594020N 0564252E	S086676
SPACE, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		S086571

25X1

SSUPING ARMY BARRACKS EAST AL5 TANK TRSHPM	CH	430656N 1244257E	S086471
SSUPING MILITARY AREA 1	CH	4310 N 12420 E	S086579
SSUPING MILITARY BKS AL1/HQ ANTITANK ARTY DIV	CH	431024N 1242105E	S086580

25X1

19  
TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

SUBJECT	COUN	COORD	ACCN NO.
STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850	UR	534200N 0555807E	S086677
STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850	UR	534200N 0555807E	
SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL	MG	462048N 1082410E	S086688
SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL	MG	462048N 1082410E	
SVERDLOVSK AIR DEFENSE COMMAND POST	UR	564215N 0602340E	S086817
SVERDLOVSK GUIDED MISSILE PLT 8 CONST SUMMARY	UR	565213N 0603707E	S086305
SVISLOCH PETROLEUM PRODUCTS STORAGE PUG	UR	530010N 0240220E	S087001
SZOMBATHELY AMMUNITION DEPOT KOSZEG 501	HU	472008N 0163550E	S087002
TAHSIEN NAVAL FACILITIES APPROACHES	CH	2953 N 12157 E	S086369
TALACHIH AIRFIELD FANTAN A F-9 IDENTIFICATION	CH	363740N 1050004E	S086633
TARNOWSKIE GORY STORAGE FACILITY U/C	PL	502740N 0185312E	S086675
TASHKENT AIRFIELD CANDID IL-76 LIBYAN/IRAQI	UR	411846N 0692331E	S086691

25X1

TETE CHINGOZI AIRFIELD COMBAT DAMAGE	MZ	160612S 0333820E	S086467
TETE CHINGOZI AIRFIELD COMBAT DAMAGE	MZ	160612S 0333820E	
TIENWEI MTC SSM	CH	255520N 1024928E	S087005
TIKSI TROPOSCATTER STATION 19 METER DISH ANTS	UR	713806N 1284509E	S086494

25X1

TITOGRAD INTERNATIONAL AIRFIELD AIRCRAFT BKRS	YO	422130N 0191507E	S086642
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25X1

TRANSPORTATION, ACTIVITY DISRUPTION SOV RDR	IR		S086312
TRANSPORTATION, RAIL LINE TRANSLOADING FACILS	UR		S086848

25X1

20  
TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

SUBJECT	COUN	COORD	ACCN NO.
TRANSPORTATION, RAIL LINE TRANSLOADING FACILS	UR		S086847
TRANSPORTATION, RAIL TRANSLOADING FACILS MIL	PL		S086484
TRANSPORTATION, ROAD CONST CHINESE CEASED	LA		S086496
TSUMUTSUNG ARMY BARRACKS NW + HQ DIVISION	CH	294543N 0941521E	S086583
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E	S086376
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E	
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E	
TUNGLIAO ARMY BARRACKS SW AL7	CH	433520N 1221415E	S086581
TUZLA AIRFIELD AIRCRAFT BUNKERS	YO	442730N 0184330E	S086565
TYURATAM MTC RANGEHEAD TRACKING FAC BOW/ARROW	UR	454230N 0632020E	S086671
TYURATAM MTC SPACE SITE U1/2	UR	460214N 0630212E	S086300
TYURATAM MTC SPACE SITE U1/2	UR	460214N 0630212E	S086283
TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW	UR	515333N 0672113E	S086671

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ULAAN UUL MILITARY TRNG AREA JOINT TRNG EXER	MG	443051N 1111151E	S086696
ULAN UDE MILITARY BARRACKS AL3 REGT ABSENT	UR	515111N 1075329E	S086699
ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	UR	541848N 0481959E	S086372
ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	UR	541848N 0481959E	
URENGOY GAS FIELD 1	UR	660300N 0764735E	S086703
URENGOY GAS FIELD 2	UR	662859N 0764052E	
URENGOY GAS FIELD 3	UR	660521N 0764033E	
URENGOY GAS FIELD 4	UR	660307N 0765138E	
UST KUYGA MICROWAVE TOWER SITE POSS U/C	UR	7001 N 13531 E	S086494
VALGA AVTOKOLONNA 1004	UR	574725N 0255908E	S086718

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21  
TOP SECRET CHESS RUFF ZARF UMBRA



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SUBJECT	COUN	COORD	ACCN NO.
VARFOLOMEYEVKA ARMY BARRACKS AL1	UR	441608N 1332402E	S086721
VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR	430657N 1315340E	S086727
VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR	430657N 1315340E	
VLADIVOSTOK TV TRANSMITTER STATION 1	UR	430704N 1315501E	
VOLGOGRAD MILITARY TEST FACILITY 1	UR	485510N 0443119E	S086372
VOLGOGRAD MILITARY TEST FACILITY 3	UR	490006N 0443435E	
VOLGOGRAD STEEL + MACH PLT KRASNYY BARRIKADA	UR	484632N 0443449E	
VOLOGDA AMMUNITION DEPOT DA1	UR	591410N 0395530E	S086838
VORKUTA INTERFEROMETER SITE BOW + ARROW	UR	673329N 0640941E	S086671
VOTKINSK MISSILE ASBLY/CHECKOUT CONST SUMMARY	UR	570224N 0540830E	S086305
VOTKINSK MISSILE ASBLY/CHECKOUT FACIL SSM ACT	UR	570224N 0540830E	S086488
VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	570242N 0535903E	
VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	570242N 0535903E	
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	UR	570242N 0535903E	S086305
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	UR	570242N 0535903E	
WONSAN RADIO RELAY STATION R-600	KN	390745N 1272430E	S086475
YANGPACHING GEOTHERMAL POWER STATION	CH	300321N 0902939E	S086492
YATUNG MILITARY ACTIVITY	CH	272915N 0885428E	S086583
YATUNG MILITARY COMPOUND	CH	272808N 0885440E	

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TOP SECRET CHESS RUFF ZARF UMBRA

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SUBJECT	COUN	COORD	ACCN NO.
YURGA ARMY BKS SE AL1 HEAVY ARTY BRGD IDENT	UR	554139N 0845941E	S086717
ZADAR AIRFIELD AIRCRAFT BUNKERS	YO	440552N 0152124E	S086567
ZAGREB AIRFIELD AIRCRAFT BUNKERS	YO	454435N 0160413E	S086647
ZAPOROZHYE AIRCRAFT REPAIR BASE	UR	475140N 0351750E	S086563
ZLAToust ARMAMENT PLANT 66 CONST SUMMARY	UR	550617N 0594223E	S086305

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23  
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## PART II

Listing of Reports by Originator

TOP SECRET CHESS RUFF ZARF UMBRA

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	BIIR	RFB22-0016-78	SEP 78		13	S086571
AF	ENDR	D1001-79	18 JAN 79		05	S086473
AF	ENDR	E6547-78	25 OCT 78		13	S086283
AF	ENDR	D6554-1-78	15 JAN 79		13	S086284
AF	IIM	1-79	08 JAN 79		05	S086592
AF	IIM	1-79	30 JAN 79		13	S086588
AF	IIM	2-79	29 JAN 79		05	S086591
AF	IIM	2-79	07 FEB 79		13	S086589
AF	IIM	3-79	31 JAN 79		05	S086590
AF	PAR	712-78	20 DEC 78		13	S086300
AF	PAR	735-78	26 DEC 78		13	S086273
AF	PAR	740-78	26 DEC 78		13	S086272
ARMY	PIM	PIM009-79	26 JAN 79		14	S086475

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CIA	INFR	IS10032-79	28 FEB 79		05	S086493
CIA	INFR	IS10009J-79	25 JAN 79		24	S086311

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TOP SECRET CHESS RUFF ZARF UMBRA

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
CIA	INFR	IS10010J-79	26 JAN 79		24	S086304
CIA	INFR	IS10011K-79	29 JAN 79		13	S086312
CIA	INFR	IS10015K-79	29 JAN 79		13	S086302
CIA	INFR	IS10016K-79	30 JAN 79		13	S086309
CIA	INFR	IS10018J-79	06 FEB 79		25	S086305
CIA	INFR	IS10021K-79	08 FEB 79		13	S086494
CIA	INFR	IS10022K-79	05 FEB 79		13	S086301
CIA	INFR	IS10023K-79	05 FEB 79		14	S086303
CIA	INFR	IS10024K-79	12 FEB 79		14	S086503
CIA	INFR	IS10025K-79	09 FEB 79		13	S086504
CIA	INFR	IS10026K-79	12 FEB 79		14	S086502
CIA	INFR	IS10027K-79	14 FEB 79		14	S086496
CIA	INFR	IS10031J-79	26 FEB 79		24	S086497
CIA	INFR	IS10034J-79	26 FEB 79		24	S086505
CIA	INFR	IS10035J-79	28 FEB 79		25	S086498
CIA	INFR	IS10036K-79	01 MAR 79		13	S086495
CIA	INFR	IS10037K-79	07 MAR 79		13	S086499
CIA	INFR	IS10038K-79	06 MAR 79		13	S086506
CIA	INFR	IS10039K-79	06 MAR 79		13	S086500
CIA	INFR	IS10042K-79	08 MAR 79		13	S086492
CIA	INFR	IS10045K-79	09 MAR 79		13	S086501

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
CIA	INFR	IS10048K-79	12 MAR 79		13	S086491
CIA	IRP	IS10006K-79	MAR 79		13	S086703
CIA	IRP	IS10008J-79	FEB 79		25	S086444
CIA	IRP	IS10013K-79	JAN 79		14	S086375
CIA	NOTE	ISSN0002J-79	12 FEB 79		25	S086376
DIA	BIIR	RDA05-0015-78	FEB 79		14	S086662
DIA	BIIR	RDA11-0009-78	MAR 79		14	S086481
DIA	BIIR	RDA11-0021-78	MAR 79		14	S086482
DIA	IIM	5B1-58588-78	01 AUG 78		13	S087052
DIA	IIM	5B1-71080-79	17 JAN 79		14	S086718
DIA	IIM	5B1-71398-79	22 MAR 79		14	S086651
DIA	IIM	5B1-71445-79	21 MAR 79		14	S086645
DIA	IIM	5B1-71493-79	04 APR 79		14	S086722
DIA	IIM	5B1-71509-79	02 APR 79		14	S086713
DIA	IIM	5B1-71518-79	22 MAR 79		13	S086650
DIA	IIM	5B1-71524-79	23 MAR 79		13	S086635
DIA	IIM	5B1-71559-79	22 MAR 79		14	S086636
DIA	IIM	5B1-71567-79	23 MAR 79		13	S086637
DIA	IIM	5B1-71577-79	20 MAR 79		14	S086562
DIA	IIM	5B1-71612-79	27 MAR 79		14	S086657
DIA	IIM	5B1-71614-79	21 MAR 79		14	S086644
DIA	IIM	5B1-71667-79	23 MAR 79		14	S086652

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	IIM	5B1-71669-79	26 MAR 79		14	S086638
DIA	IIM	5B1-71675-79	28 MAR 79		14	S086675
DIA	IIM	5B1-71678-79	04 APR 79		13	S086723
DIA	IIM	5B1-71708-79	03 APR 79		14	S086721
DIA	IIM	5B1-71711-79	29 MAR 79		14	S086717
DIA	IIM	5B1-71770-79	02 APR 79		14	S086724
DIA	IIM	5B1-71776-79	10 APR 79		14	S086840
DIA	IIM	5B1-71791-79	11 APR 79		13	S086863
DIA	IIM	5B1-71797-79	09 APR 79		14	S086841
DIA	IIM	5B1-71812-79	10 APR 79		14	S086839
DIA	IIM	5B1-71815-79	09 APR 79		14	S086837
DIA	IIM	5B1-71825-79	09 APR 79		14	S086838
DIA	IIM	5B1-71836-79	10 APR 79		14	S086842
DIA	IIM	5B1-71844-79	09 APR 79		14	S086836
DIA	IIM	5B3-71453-79	16 MAR 79		13	S086569
DIA	IIM	5B3-71460-79	19 MAR 79		13	S086568
DIA	IIM	5B3-71465-79	28 MAR 79		13	S086682
DIA	IIM	5B3-71466-79	28 MAR 79		14	S086680
DIA	IIM	5B3-71467-79	28 MAR 79		14	S086673
DIA	IIM	5B3-71468-79	28 MAR 79		24	S086685
DIA	IIM	5B3-71499-79	16 MAR 79		13	S086570

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	IIM	5B3-71505-79	28 MAR 79		14	S086674
DIA	IIM	5B3-71519-79	28 MAR 79		14	S086676
DIA	IIM	5B3-71520-79	20 MAR 79		13	S086563
DIA	IIM	5B3-71523-79	28 MAR 79		14	S086684
DIA	IIM	5B3-71560-79	20 MAR 79		13	S086564
DIA	IIM	5B3-71563-79	28 MAR 79		13	S086678
DIA	IIM	5B3-71568-78	21 MAR 79		13	S086643
DIA	IIM	5B3-71569-79	21 MAR 79		13	S086641
DIA	IIM	5B3-71570-79	21 MAR 79		13	S086642
DIA	IIM	5B3-71571-79	20 MAR 79		13	S086565
DIA	IIM	5B3-71572-79	19 MAR 79		13	S086567
DIA	IIM	5B3-71573-79	20 MAR 79		13	S086566
DIA	IIM	5B3-71574-79	22 MAR 79		13	S086648
DIA	IIM	5B3-71575-79	22 MAR 79		13	S086647
DIA	IIM	5B3-71576-79	22 MAR 79		13	S086646
DIA	IIM	5B3-71578-79	28 MAR 79		14	S086686
DIA	IIM	5B3-71581-79	20 MAR 79		13	S086640
DIA	IIM	5B3-71608-79	22 MAR 79		13	S086655
DIA	IIM	5B3-71609-79	20 MAR 79		13	S086639
DIA	IIM	5B3-71613-79	22 MAR 79		13	S086649
DIA	IIM	5B3-71620-79	28 MAR 79		14	S086683
DIA	IIM	5B3-71661-79	28 MAR 79		14	S086681

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	IIM	5B3-71666-79	27 MAR 79		13	S086654
DIA	IIM	5B3-71670-79	28 MAR 79		14	S086677
DIA	IIM	5B3-71677-79	26 MAR 79		13	S086653
DIA	IIM	5B3-71718-79	02 APR 79		13	S086715
DIA	IIM	5B3-71720-79	29 MAR 79		13	S086714
DIA	IIM	5B3-71721-79	02 APR 79		13	S086716
DIA	IIM	5B3-71760-79	04 APR 79		13	S086719
DIA	IIM	5B3-71778-79	09 APR 79		14	S086830
DIA	IIM	5B3-71782-79	04 APR 79		13	S086720
DIA	IIM	5B3-71783-79	06 APR 79		13	S086826
DIA	IIM	5B3-71792-79	04 APR 79		13	S086687
DIA	IIM	5B3-71796-79	05 APR 79		13	S086825
DIA	IIM	5B3-71799-79	06 APR 79		13	S086828
DIA	IIM	5B3-71801-79	09 APR 79		13	S086833
DIA	IIM	5B3-71802-79	09 APR 79		13	S086835
DIA	IIM	5B3-71806-79	06 APR 79		13	S086827
DIA	IIM	5B3-71811-79	09 APR 79		13	S086831
DIA	IIM	5B3-71817-79	09 APR 79		13	S086834
DIA	IIM	5B3-71822-79	09 APR 79		13	S086832
DIA	IIM	5B3-71823-79	09 APR 79		13	S086829
DIA	IIM	5B3-71829-79	11 APR 79		13	S086843

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA06-5139-77	20 FEB 79		05	S086369
DIA	NBRG	NDA06-5140-77	20 FEB 79		05	S086370
DIA	NBRG	NDA06-5144-77	16 MAR 79		05	S086552
DIA	NBRG	NDA07-5156-78	19 MAR 79		05	S086537
DIA	NBRG	NDA07-5157-78	19 MAR 79		05	S086538
DIA	NBRG	NDA07-5158-78	19 MAR 79		05	S086539
DIA	NBRG	NDA07-5159-78	19 MAR 79		05	S086540
DIA	NBRG	NDA07-5160-78	19 MAR 79		05	S086541
DIA	NBRG	NDA07-5161-78	19 MAR 79		05	S086542
DIA	NBRG	NDA07-5162-78	19 MAR 79		05	S086543
DIA	NBRG	NDA07-5163-78	19 MAR 79		05	S086544
DIA	NBRG	NDA07-5164-78	19 MAR 79		05	S086545
DIA	NBRG	NDA07-5165-78	19 MAR 79		05	S086546
DIA	NBRG	NDA07-5166-78	19 MAR 79		05	S086547
DIA	NBRG	NDA07-5167-78	19 MAR 79		05	S086548
DIA	NBRG	NDA07-5168-78	19 MAR 79		05	S086549
DIA	NBRG	NDA07-5169-78	19 MAR 79		05	S086550
DIA	NBRG	NDA07-5170-78	19 MAR 79		05	S086551
DIA	NBRG	NDA07-5171-78	14 MAR 79		05	S086553
DIA	NBRG	NDA07-5172-78	14 MAR 79		05	S086554
DIA	NBRG	NDA07-5173-78	14 MAR 79		05	S086555
DIA	NBRG	NDA07-5174-78	14 MAR 79		05	S086556

TOP SECRET CHESS RUFF ZARF UMBRA

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5175-78	19 MAR 79		05	S086557
DIA	NBRG	NDA07-5176-78	19 MAR 79		05	S086558
DIA	NBRG	NDA07-5177-78	19 MAR 79		05	S086559
DIA	NBRG	NDA07-5178-78	19 MAR 79		05	S086560
DIA	NBRG	NDA07-5179-78	19 MAR 79		05	S086561
DIA	NBRG	NDA07-5180-78	22 MAR 79		05	S086572
DIA	NBRG	NDA07-5181-78	22 MAR 79		05	S086573
DIA	NBRG	NDA07-5182-78	22 MAR 79		05	S086574
DIA	NBRG	NDA07-5183-78	22 MAR 79		05	S086580
DIA	NBRG	NDA07-5184-78	22 MAR 79		05	S086581
DIA	NBRG	NDA07-5185-78	22 MAR 79		05	S086582
DIA	NBRG	NDA07-5190-78	22 MAR 79		05	S086579
DIA	NOTE		26 MAR 79		13	S086656

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
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NPIC	BIIR	RCA01-0001-78	FEB 79		14	S086333
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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
NPIC	BIIR	RCA09-0003-79	FEB 79		25	S086372
NPIC	BIIR	RCA09-0005-79	MAR 79		25	S086488
NPIC	BIIR	RCA09-0008-79	MAR 79		14	S086702
NPIC	BIIR	RCA09-0049-78	MAR 79		25	S086489
NPIC	BIIR	RCA14-0008-78	FEB 79		14	S086708
NPIC	BIIR	RCA25-0001-79	MAR 79		25	S086486
NPIC	BRAD		FEB 79		14	S086464
NPIC	BRAD		FEB 79		14	S086465
NPIC	BRAD		FEB 79		14	S086466
NPIC	BRAD		FEB 79		14	S086467
NPIC	BRAD		FEB 79		14	S086468
NPIC	BRAD		FEB 79		14	S086469
NPIC	BRAD		FEB 79		14	S086470
NPIC	BRAD		FEB 79		14	S086471
NPIC	BRAD		FEB 79		14	S086629
NPIC	BRAD		FEB 79		14	S086630
NPIC	BRAD		MAR 79		14	S086631
NPIC	BRAD		MAR 79		14	S086632
NPIC	BRAD		MAR 79		14	S086633
NPIC	BRAD		MAR 79		14	S086634
NPIC	BRAD		MAR 79		14	S086786

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
NPIC	BRAD		MAR 79		14	S086688
NPIC	BRAD		MAR 79		14	S086689
NPIC	BRAD		MAR 79		14	S086690
NPIC	BRAD		MAR 79		14	S086691
NPIC	BRAD		MAR 79		14	S086692
NPIC	BRAD		MAR 79		14	S086693
NPIC	BRAD		MAR 79		14	S086694
NPIC	BRAD		MAR 79		14	S086695
NPIC	BRAD		MAR 79		14	S086696
NPIC	BRAD		MAR 79		14	S086697
NPIC	BRAD		MAR 79		14	S086698
NPIC	BRAD		MAR 79		14	S086699
NPIC	IIR	IIR008-79	14 MAR 79		14	S086664
NPIC	IIR	IIR009-79	15 MAR 79		14	S086663
NPIC	IIR	IIR010-79	20 MAR 79		14	S086707
NPIC	IIR	IIR011-79	23 MAR 79		14	S086700
NPIC	MEMO		01 FEB 79		13	S086354
NPIC	MEMO		03 APR 79		14	S086725
NPIC	MEMO		03 APR 79		14	S086726
NPIC	MEMO		04 APR 79		14	S086727
NPIC	MEMO		10 APR 79		14	S086816
NPIC	MEMO		10 APR 79		14	S086817

TOP SECRET CHESS RUFF ZARF UMBRA

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
NPIC	MODL		MAR 79		14	S086665
NPIC	PIR	PIR006-79	FEB 79		14	S086449
NPIC	PIR	PIR007-79	MAR 79		25	S086671
NPIC	PIR	PIR009-79	MAR 79		25	S086445
NPIC	PIR	PIR010-79	FEB 79		14	S086448
NPIC	PIR	PIR011-79	MAR 79		14	S086705
NPIC	PIR	PIR013-79	MAR 79		25	S086701
NPIC	PIR	PIR014-79	MAR 79		14	S086672
NPIC	SR	SR007-79	FEB 79		14	S086378
NPIC	SR	SR008-79	FEB 79		14	S086447
NPIC	SR	SR009-79	FEB 79		14	S086487
NPIC	SR	SR010-79	FEB 79		14	S086446
NPIC	SR	SR011-79	MAR 79		05	S086484
NPIC	SR	SR012-79	MAR 79		14	S086670
NPIC	SR	SR014-79	MAR 79		14	S086704

TOP SECRET CHESS RUFF ZARF UMBRA

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### **PART III**

#### **Listing of Reports by General Subject**



TOP SECRET CHESS RUFF ZARF UMBRA

EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	AIRCRAFT, FLAGON F SU-15	UR		S086585
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	MG		S086654
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	UR		
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	PL		
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	CZ		
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	HU		
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	BU		
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	AL		
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	RO		
05	AIRFIELDS, AIRCRAFT BUNKER SUMMARY	YO		
05	ARSENIEV AIRFRAME PLANT 116 CONST SUMMARY	UR	440859N 1331523E	S086305
05	ARVAYHEER HELIPORT CURL AN-26/CRATE IL-14	MG	462100N 1025000E	S086698
05	BATAJNICA AIRFIELD AIRCRAFT BUNKERS	YO	445630N 0201500E	S086643
05	BELAYA TSERKOV AIRFIELD MOSS TU-126	UR	494749N 0300135E	S086843
05	BERAT/STALIN AIRFIELD AIRCRAFT BUNKERS	AL	404625N 0195405E	S086570
05	BISKRA AIRFIELD HIND A MI-24/SHPG CONTS IDENT	AG	344736N 0054417E	S086689
05	CERKLJE AIRFIELD AIRCRAFT BUNKERS	YO	455401N 0153155E	S086566
05	CHENG TU AIRCRAFT ENGINE PLANT 420	CH	303858N 1040653E	S086489
05	CHERVONO GLINSKOYE AIRFIELD FLAGON SU-15	UR	455650N 0292239E	S086720
05	DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	160233N 1081215E	S086690
05	DOLINSKAYA AIRFIELD LRA SUPPORT CAPABILITY	UR	480130N 0324154E	S086833
05	DOLINSK/SOKOL AIRFIELD FLAGON SU-15 COUNTS	UR	471536N 1424617E	S086828
05	DOMNA AIRFIELD FLOGGER MIG-23	UR	515500N 1130718E	S086714
05	ENGELS/LEBEDOVO AIRFIELD LRA SUPPORT CPBL	UR	511712N 0461355E	S086832

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	GORODOK AIRFIELD NE LRA AIRCRAFT SUPPORT CPBL	UR	494935N 0234130E	S086687
05	GOSTOMEL AIRFIELD LRA AIRCRAFT SUPPORT CPBL	UR	503601N 0301143E	S086825
05	H-3 AIRFIELD CONSTRUCTION ACTIVITY	IZ	325616N 0394444E	S086672
05	KALININO AIRFIELD LRA SUPPORT CAPABILITY	UR	410630N 0441600E	S086829
05	KAUNAS AIRCRAFT REPAIR BASE	UR	545240N 0235500E	S086564
05	KAZAN AIRFRAME PLANT A387	UR	554801N 0490251E	S086702
05	KIPELOVO AIRFIELD	UR	591124N 0390740E	S086662
05	KIPELOVO AIRFIELD PETROLEUM PRODUCTS STGE RSV	UR	591329N 0390947E	
05	KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR	583834N 0493709E	S086305
05	KOCHUBEYEVKA AIRFIELD NO SIGNIFICANT CHANGE	UR	494444N 0350132E	S086831
05	LIUCHOU AIRFIELD BEAGLE IL-28/BAT TU-2 DPL	CH	241638N 1092304E	S086464
05	MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR	555544N 0373027E	S086305
05	NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	283752N 1155526E	S086482
05	OBRVA AIRFIELD AIRCRAFT BUNKERS	YO	434915N 0203509E	S086648
05	OKTYABRSKOYE AIRFIELD PRE-FLIGHT ACTIVITY	UR	451930N 0340623E	S086632
05	OMSK AIRFRAME PLANT 166 CONSTRUCTION SUMMARY	UR	545759N 0732748E	S086305
05	ONDANGUA AIRFIELD AIRCRAFT INCREASE	WA	175300S 0155800E	S086695
05	PETROPAVLOVSK/YELIZOVO AIRFIELD GOOT MODIFIED	UR	531017N 1582711E	S086505
05	POCHEP AIRFIELD LRA AIRCRAFT SUPPORT CPBL	UR	525555N 0332400E	S086827
05	PULA AIRFIELD AIRCRAFT BUNKERS	YO	445340N 0135520E	S086641

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05	RIGA AIRCRAFT REPAIR BASE	UR	565832N 0240351E	S086568
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
05	RIGA AIRFIELD WEST MOSS TU-126 SEARCH	UR	565525N 0235817E	S086834
05	ROSTOV AIRCRAFT REPAIR BASE	UR	471546N 0394846E	S086646
05	SHAIBAH AIRFIELD HIND D MI-24 IDENTIFICATION	IZ	302535N 0473842E	S086466
05	SOKHONDO AIRFIELD	UR	515040N 1122850E	S086354
05	TALACHIH AIRFIELD FANTAN A F-9 IDENTIFICATION	CH	363740N 1050004E	S086633
05	TASHKENT AIRFIELD CANDID IL-76 LIBYAN/IRAQI	UR	411846N 0692331E	S086691
05	TETE CHINGOZI AIRFIELD COMBAT DAMAGE	MZ	160612S 0333820E	S086467
05	TITOGRAD INTERNATIONAL AIRFIELD AIRCRAFT BKRS	YO	422130N 0191507E	S086642
05	TUZLA AIRFIELD AIRCRAFT BUNKERS	YO	442730N 0184330E	S086565
05	ZADAR AIRFIELD AIRCRAFT BUNKERS	YO	440552N 0152124E	S086567
05	ZAGREB AIRFIELD AIRCRAFT BUNKERS	YO	454435N 0160413E	S086647
05	ZAPOROZHYE AIRCRAFT REPAIR BASE	UR	475140N 0351750E	S086563

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10	GOLERKANY CIVIL DEFENSE GOVERNMENT RELOC SITE	UR	4719 N 02905 E	S086376
10	KAZACHYE U/I CONSTRUCTION	UR	7044 N 13610 E	S086494

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
15	PROJECT HAT TRICK	CH		S086583
25	ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I	UR	430910N 0762330E	S086837
25	ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I	UR	431211N 0763603E	S086836
25	ANISIMOVO RADIO RELAY STATION NEW	UR	591000N 0350930E	S086726
25	CHAGODA RADIO RELAY STATION NEW	UR	591054N 0352005E	
25	CONSTANTA/MIHAIL KOGALNICEANU AFLD RSBN-4N	RO	442131N 0282920E	S086589
25	DEPUTATSKIY TROPOSCATTER/MICROWAVE TOWER POSS	UR	6912 N 13947 E	S086494
25	ELECTRONICS, BOW + ARROW INTERFEROMETER MODIF	UR		S086671
25	ELECTRONICS, ESM INTERCEPT SYSTEM NEW POSS	UR		S086664
25	ELECTRONICS, ICBM TYPE 3H GUIDANCE RLTD FACS	UR		S086273
25	ELECTRONICS, RADAR NETWORK COASTAL/NW BORDER	AG		S086498
25	ELECTRONICS, RADIO RELAY STATIONS NEW TYPE	UR		S086378
25	ELECTRONICS, 64-ELEMENT TLMTRY ANTS MSL ASSOC	UR		S086448
25	EMBA MTC LAUNCH CPLX SPOON REST D RDR VAN MTD	UR	483103N 0580207E	S086477
25	KAPUSTIN YAR MTC RANGEHEAD TRKG FAC BOW/ARROW	UR	483858N 0454538E	S086671
25	KIPELOVO AIRFIELD GCA SITE	UR	591124N 0390740E	S086662
25	KIPELOVO NAVAL AVIATION COMD POST BKR SOUTH	UR	591130N 0390810E	
25	KIPELOVO NAVAL AVIATION COMMAND POST BKR NE	UR	591414N 0391138E	
25	KIRISHI RADIO RELAY STATION	UR	592630N 0320040E	S086726
25	KLINETS RADIO RELAY STATION NEW	UR	592900N 0325400E	
25	KRASNY BOR RADIO RELAY STATION NEW	UR	594025N 0304210E	
25	KULAR COMMUNICATIONS FACILITY SEARCH	UR	7038 N 13420 E	S086494
25	LIEPAJA AIRFIELD TALL KING AW RADAR ELCT O/B	UR	562750N 0210120E	S086474

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
25	LYUBAN RADIO RELAY STATION NORTH NEW	UR	592150N 0311450E	S086726
25	MAKAT ASM IMPACT AREA B RADAR TGTS/CRTRS NEW	UR	480600N 0534400E	S086506
25	MILOVICE SA-6 TRNG SITE A02 FLAT FACE MODIF	CZ	501530N 0145335E	S086588
25	PERM ICBM COMPLEX HQ COMSAT STATION ANTENNAS	UR	574550N 0561125E	S086816
25	PLESETSK MTC RANGEHEAD TRACKING FAC BOW/ARROW	UR	624645N 0402010E	S086671
25	SARY SHAGAN MTC PHASED-ARRAY RADAR FAC NORTH	UR	463600N 0743000E	S086705
25	SAVELYEVO RADIO RELAY STATION	UR	560803N 0370420E	S086725
25	SVERDLOVSK AIR DEFENSE COMMAND POST	UR	564215N 0602340E	S086817
25	TIKSI TROPOSCATTER STATION 19 METER DISH ANTS	UR	713806N 1284509E	S086494
25	TYURATAM MTC RANGEHEAD TRACKING FAC BOW/ARROW	UR	454230N 0632020E	S086671
25	TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW	UR	515333N 0672113E	
25	UST KUYGA MICROWAVE TOWER SITE POSS U/C	UR	7001 N 13531 E	S086494
25	VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR	430657N 1315340E	S086727
25	VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR	430657N 1315340E	
25	VLADIVOSTOK TV TRANSMITTER STATION 1	UR	430704N 1315501E	
25	VORKUTA INTERFEROMETER SITE BOW + ARROW	UR	673329N 0640941E	S086671
25	WONSAN RADIO RELAY STATION R-600	KN	390745N 1272430E	S086475
30	ASTRAKHAN GAS FIELD DEVELOPMENT	UR	4621 N 04803 E	S086495
30	INDUSTRY, PETROLEUM REFINING DEVELOPMENTS	UR		S086376
30	IVANOVO CRANE PLANT	UR	565819N 0405715E	S086372
30	KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	UR	574534N 0405333E	

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
30	KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	562208N 0411934E	S086305
30	LENINGRAD HEAVY EQUIP PLANT 185 FAB BLDG NEW	UR	595302N 0301456E	S086849
30	LENINGRAD INSTRUMENT STATE PLANT LIZ	UR	595613N 0302319E	S086637
30	PELINDABA STONE QUARRY EXPLOSIONS	SF	2549 N 02755 E	S086503
30	RUBTSOVSK TRACTOR PLANT ALTA 1	UR	513222N 0811237E	S086372
30	URENGOY GAS FIELD 1	UR	660300N 0764735E	S086703
30	URENGOY GAS FIELD 2	UR	662859N 0764052E	
30	URENGOY GAS FIELD 3	UR	660521N 0764033E	
30	URENGOY GAS FIELD 4	UR	660307N 0765138E	

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30	VOLGOGRAD STEEL + MACH PLT KRASNYY BARRIKADA	UR	484632N 0443449E	S086372
30	VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	570242N 0535903E	S086488
30	VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	UR	570242N 0535903E	S086305
30	YANGPACHING GEOTHERMAL POWER STATION	CH	300321N 0902939E	S086492
35	ADEN AMMUNITION STGE + TEST AREA M-1977 MRL	YS	124745N 0450155E	S086707
35	ADEN AMMUNITION STGE + TEST AREA M-1977 MRL	YS	124745N 0450155E	
35	ARVAYHEER ARMY BKS AL1 RSV EQUIP ACTIVATED	MG	462200N 1024800E	S086698

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35	BOBRUYSK ORDNANCE DEPOT NNE D01	UR	531210N 0291630E	S086841
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35	BREST ENGINEER STORAGE FACILITY	UR	520540N 0233815E	S086724
35	BRONNITSY ARMORED VEHICLE RESEARCH FACILITY	UR	552651N 0381427E	S086372
35	BRONNITSY MILITARY VEHICLE TEST AREA	UR	552700N 0380800E	

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42  
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	CHIANGTZU ARMY BARRACKS	CH	285500N 0893620E	S086583
35	CHIANGTZU ARMY BARRACKS NW	CH	285702N 0893130E	
35	CHICHIHAERH ARMS + AMMUNITION PARTS PLANT 127	CH	472003N 1235832E	S086481
35	CHINCHOU MILITARY AREA 2	CH	41n7 N 12111 E	S086553
35	CHINCHOU MILITARY BARRACKS AL5 + HQ ARTY DIV	CH	410744N 1211059E	S086554
35	CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	UR	520505N 1132920E	S086651
35	CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	UR	520505N 1132920E	
35	CHUANTU MILITARY BARRACKS AREA	CH	282620N 0893530E	S086583
35	CHUEH MU ARMY BARRACKS/DEPOT/SUPPORT AREA	CH	294028N 0942040E	
35	CHUEH MU ARMY BARRACKS/DEPOT/SUPPORT AREA	CH	294028N 0942040E	
35	CHUEHNEIHSI MILITARY BARRACKS AREA	CH	284220N 0893825E	
35	CHUSHUI AAA COMPLEX	CH	2919 N 09014 E	
35	DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	160233N 1081215E	S086690
35	DZEM ARMY BARRACKS AL1	CH	294749N 0935803E	S086583
35	DZEM ARMY BARRACKS AL2	CH	294845N 0935010E	
35	FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC	SF	340420S 0184530E	S086375
35	GDANSK MILITARY BARRACKS	PL	542230N 0184027E	S086644
35	GORKIY ARMAMENT PLT NOVOYE SORMOVO STALIN 92	UR	561936N 0435321E	S086372
35	HAICHENG ARMY BARRACKS NNE AL7	CH	405148N 1224519E	S086574
35	HAILUNG ARMY BARRACKS WEST AL3	CH	423847N 1254839E	S086560
35	HEISHAN ARMY BARRACKS AL1	CH	414115N 1220640E	S086556
35	HOCHING ARMY BARRACKS AL2 ARMOR DPL NEW	CH	422050N 0862245E	S086693
35	HSIMIAO ARMY BARRACKS AL1	CH	410120N 1001312E	S086538
35	HSIMIAO ARMY BARRACKS AL2	CH	410025N 1001310E	S086540

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	HUINAN ARMY BARRACKS WEST AL1	CH	424103N 1255943E	S086559
35	IVANO FRANKOVSK ARMY BARRACKS AL5	UR	485415N 0244005E	S086853
35	JENCHINGKANG STRONGPOINT 1	CH	272608N 0885426E	S086583
35	JENCHINGKANG STRONGPOINT 2	CH	272548N 0885524E	
35	JHKKOTSE ARMY BARRACKS AL2	CH	291456N 0885247E	
35	JHKKOTSE ARMY BARRACKS AL3	CH	291540N 0885205E	
35	JHKKOTSE ARMY BARRACKS AL4	CH	291900N 0890210E	
35	JHKKOTSE MILITARY AREA EAST	CH	292001N 0885803E	
35	KANGKO MILITARY BARRACKS AREA	CH	291922N 0942330E	
35	KHMELNITSKIY ARMY TRAINING AREA SE	UR	492330N 0270200E	S086844
35	KOTA ARMY BARRACKS AL1	CH	295133N 0954557E	S086583
35	KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	562208N 0411934E	S086305
35	KRASNOYARSK ARMS PLT VOROSHILOV CONST SUMMARY	UR	560054N 0925913E	
35	KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	UR	560236N 0930237E	S086681
35	KUNGKA AAA SITE	CH	2917 N 09101 E	S086583
35	KUNGKA MILITARY VEHICLE MAINTENANCE/STGE DPO	CH	291647N 0910108E	
35	KUNGPUCHIANGTA ARMY BARRACKS AL1	CH	295310N 0931425E	
35	LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	2150 N 10645 F	S086692
35	LASA AAA SITES	CH	2939 N 09105 E	S086583
35	LASA ARMY BARRACKS SOUTH AL2	CH	293755N 0910830E	
35	LASA ARMY BARRACKS WEST AL5	CH	293827N 0910141E	
35	LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7	CH	293912N 0910312E	
35	LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7	CH	293912N 0910312E	
35	LASA MILITARY BARRACKS AL4 + HQ TIBET MD	CH	293846N 0910740E	

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	LIAOYANG ARMY BARRACKS AL2 + HQ ARTILLERY DIV	CH	411443N 1230827E	S086573
35	LIAOYANG MILITARY AREA 1	CH	4116 N 12310 E	S086572
35	LINCHIH ARMY BARRACKS AL1	CH	292951N 0942727E	S086583
35	LINCHIH ARMY BARRACKS AL2	CH	293353N 0942906E	
35	LOMONOSOV LASER WPNS FAC FAN-SHAPED RANGE U/C	UR	595412N 0290118E	S086446
35	MANDALGOVI MILITARY INSTALLATION MRD MBLZTN	MG	454459N 1061443E	S086697
35	MAYKOP ARMY BKS SOUTH MRD SECOND GENERATION	UR	443428N 0400732E	S086656
35	MBARARA ARMY BARRACKS BATTLE DAMAGE	UG	003430S 0304140E	S086786
35	MIENYANG MILITARY BARRACKS + STORAGE AREA	CH	313000N 1044535E	S086584
35	MIENYANG MILITARY BARRACKS + STORAGE AREA	CH	313000N 1044535E	
35	MILIN ARMY BARRACKS AL2	CH	291120N 0940322E	S086583
35	MILITARY, ACTIVITY SUMMARY CHENG TU MR	CH		
35	MILITARY, ACTIVITY SUMMARY SOUTH YEMEN FORCES	YE		S086634
35	MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086491
35	MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086499
35	MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086500
35	MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER	YE		S086501
35	MILITARY, ARMORED FORCES REORGANIZATION	IZ		S086497
35	MILITARY, ARMS + TECH ASSISTANCE NORTH KOREAN	LY		S086376
35	MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086470
35	MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086469
35	MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086468
35	MILITARY, CHINA-VIETNAM BORDER ACTIVITY	CH		S086694

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	MILITARY, CHINA/VIETNAM BORDER ACTIVITY	CH		S086692
35	MILITARY, GAZ-66 SMOKE GENERATING VEHICLE	UR		S086562
35	MILITARY, GROUND FORCES WESTERN MD	EG		S086311
35	MILITARY, MOTORIZED RIFLE BNS BTR-60PB COUNTS	UR		S086376
35	MILITARY, M-1977 MRL RESUPPLY VEHICLE	UR		S086857
35	MILITARY, M-1977 SELF-PROPELLED GUN NEW	KN		S086472
35	MILITARY, M-1977 240MM SELF-PROPELLED MORTAR	UR		S086857
35	MILITARY, RAIL TRANSLOADING FACILITIES	PL		S086484
35	MILITARY, SIGNAL REGIMENTS DPL/ORG/EQUIPMENT	UR		S086444
35	MILITARY, T-64 MEDIUM TANK	UR		S086850
35	MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086470
35	MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086469
35	MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086468
35	MILITARY, VIETNAM-CHINA BORDER ACTIVITY	VM		S086694
35	MILITARY, VIETNAM/CHINA BORDER ACTIVITY	VM		S086692
35	MOSKVA ARMY BARRACKS AL42 + SIGNAL REGIMENT	UR	555222N 0372840E	S086840
35	NIENSHENG MILITARY CONVOYS	CH	2152 N 10705 E	S086692
35	NOVOCHERKASSK ARMY BARRACKS AL9	UR	472430N 0400625E	S086859

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	NOVOGRUDOK ARMY BARRACKS AL1	UR	533458N 0254745E	S087000
35	OCHINACHI DEFENSIVE STRONGPOINT	CH	422040N 1011400E	S086551
35	OLANG MILITARY BARRACKS AREA	CH	290820N 0934218E	S086583
35	OSIPOVICH ARMY BKS SOUTH AL2 M-1977 MRL DPL	UR	531727N 0283837E	S086465

35	PAICHENG ARMY BARRACKS NORTH AL5	CH	453910N 1225015E	S086582
35	PANGTA ENGINEER BARRACKS AL1	CH	303338N 0970638E	S086583
35	PANSHIH ARMY BARRACKS SE AL1 + HQ ARTY DIV	CH	425604N 1260424E	S086558
35	PANSHIH ARMY BARRACKS SOUTH AL2	CH	425150N 1260250E	S086561
35	PANSHIH MILITARY AREA 1	CH	4256 N 12604 E	S086557

35	PEICHEN ARMY BARRACKS AL1	CH	413607N 1214655E	S086555
35	PERVOMAYSK MILITARY INSTALLATION	UR	480220N 0305110E	S086856
35	PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	595914N 0305935E	S086684
35	PIPITANG MILITARY STORAGE AREA	CH	272710N 0885500E	S086583
35	PIPITANG STRONGPOINT	CH	272555N 0885525E	
35	RANGAO ARMY BARRACKS AL1	CH	294445N 0960650E	
35	ROVNO MILITARY SUPPLY DEPOT NORTH D01	UR	503749N 0261437E	S086645

35	SHUANGCHENG TZU ARMY BARRACKS AL1	CH	410650N 1001650E	S086541
35	SHUANGCHENG TZU ARMY BARRACKS AL2	CH	410631N 1002025E	S086542

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TOP SECRET CHESS RUFF ZARF UMBRA

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	SHUANGCHENG TZU DEFENSIVE STRONGPOINT	CH	411613N 1002013E	S086543
35	SHUANGCHENG TZU MILITARY AREA	CH	4130 N 10030 E	S086537
35	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 1	CH	421851N 1010654E	S086550
35	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 2	CH	415310N 1003327E	S086546
35	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 3	CH	415610N 1010140E	S086547
35	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 4	CH	414323N 1002727E	S086545
35	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 5	CH	414557N 1004208E	S086544
35	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 6	CH	420703N 1005405E	S086549
35	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 8	CH	402546N 0995046E	S086539
35	SHUANGCHENG TZU WEAPONS POSITIONS	CH	420318N 1012212E	S086548
35	SLAVUTA AMMUNITION DEPOT WEST DA1	UR	501827N 0264902E	S086657

25X1

35	SSUPING ARMY BARRACKS EAST AL5 TANK TRSHPM	CH	430656N 1244257E	S086471
35	SSUPING MILITARY AREA 1	CH	4310 N 12420 E	S086579
35	SSUPING MILITARY BKS AL1/HQ ANTITANK ARTY DIV	CH	431024N 1242105E	S086580
35	STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850	UR	534200N 0555807E	S086677
35	SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL	MG	462048N 1082410E	S086688
35	SZOMBATHELY AMMUNITION DEPOT KOSZEG 501	HU	472008N 0163550E	S087002
35	TETE CHINGOZI AIRFIELD COMBAT DAMAGE	MZ	160612S 0333820E	S086467

25X1

35	TSUMUTSUNG ARMY BARRACKS NW + HQ DIVISION	CH	294543N 0941521E	S086583
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48

TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
35	TUNG LIAO ARMY BARRACKS SW AL7	CH	433520N 1221415E	S086581
35	ULAAN UUL MILITARY TRNG AREA JOINT TRNG EXER	MG	443051N 1111151E	S086696
35	ULAN UDE MILITARY BARRACKS AL3 REGT ABSENT	UR	515111N 1075329E	S086699
35	VARFOLOMEYEVKA ARMY BARRACKS AL1	UR	441608N 1332402E	S086721
35	VOLGOGRAD MILITARY TEST FACILITY 1	UR	485510N 0443119E	S086372
35	VOLGOGRAD MILITARY TEST FACILITY 3	UR	490006N 0443435E	S086372
35	VOLOGDA AMMUNITION DEPOT DA1	UR	591410N 0395530E	S086838

25X1

35	YATUNG MILITARY ACTIVITY	CH	272915N 0885428E	S086583
35	YATUNG MILITARY COMPOUND	CH	272808N 0885440E	S086583
35	YURGA ARMY BKS SE AL1 HEAVY ARTY BRGD IDENT	UR	554139N 0845941E	S086717
35	ZLATOUST ARMAMENT PLANT 66 CONST SUMMARY	UR	550617N 0594223E	S086305

25X1

40	BRYANSK GUIDED MISSILE SUPPORT EQUIP PLANT 2	UR	531713N 0342352E	S086372
40	BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	UR	531502N 0342419E	S086372
40	DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	160233N 1081215E	S086690
40	DNEPROPETROVSK MISSILE DPC CONST SUMMARY	UR	482601N 0345828E	S086305
40	DNEPROPETROVSK MISSILE DPC SSM ACTIVITY	UR	482601N 0345828E	S086488
40	FAUSTOVO AEROSPACE R+D FACILITY	UR	552746N 0383143E	S086272
40	FAUSTOVO AEROSPACE R+D FACILITY SSM ACTIVITY	UR	552746N 0383143E	S086488

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC	SF	340420S 0184530E	S086375
40	IVANKOVSKIY GUIDED MISSILE PLT CONST SUMMARY	UR	564521N 0370700E	S086305
40	KAMENSK SHAKHTINSKIY SOLID MOTOR PROD PLANT	UR	481750N 0401049E	S086678
40	KEMEROVO SOLID MOTOR PROD PLANT NUC RAILCARS	UR	552458N 0855832E	S086683
40	KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR	583834N 0493709E	S086305
40	KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	UR	574534N 0405333E	S086372
40	KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	562208N 0411934E	S086305
40	KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	UR	560236N 0930237E	S086681
40	LENINGRAD GUIDED MSL PLANT 458 CONST SUMMARY	UR	595934N 0301721E	S086305
40	LIENKENGWANG IRBM SITE 4	CH	300202N 1173634E	S086333
40	LIENKENGWANG IRBM SITE 5	CH	300636N 1173433E	
40	LIENKENGWANG IRBM SITE 6	CH	300846N 1173421E	
40	LIENKENGWANG IRBM SITE 8	CH	300446N 1173443E	
40	MARY SAM SUPPORT FACILITY 2	UR	373510N 0615130E	S086713
40	MARY SAM SUPPORT FACILITY 3 SA-6 ACTIVITY	UR	373500N 0615130E	
40	MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	UR	535131N 0273931E	S086445
40	MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT	UR	535131N 0273931E	S086372
40	MISSILES, AAM COMPONENTS/HARDWARE	UR		S086272
40	MISSILES, AS-4 + VARIANT	UR		S086473
40	MISSILES, CRUISE MISSILE CRATE PRODUCTION	CH		S086482
40	MISSILES, CSS-X-4 1ST STAGE TRANSFER CAR B2	CH		S086571
40	MISSILES, CSS-X-4 1ST STAGE TRANSPORTER C1	CH		
40	MISSILES, CSS-X-4 1ST STAGE TRANSPORTER E	CH		
40	MISSILES, CSS-X-4 2ND STAGE TRANSFER CAR B3	CH		
40	MISSILES, CSS-X-4 2ND STAGE TRANSPORTER C2	CH		
40	MISSILES, CSS-X-4 2ND STAGE TRANSPORTER F	CH		
40	MISSILES, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, CSS-1 A-FRAME CRANE	CH		
40	MISSILES, CSS-1 LAUNCH STAND TRAILER	CH		
40	MISSILES, CSS-1 LAUNCH STAND TRUCK	CH		
40	MISSILES, CSS-1 TRANSPORTER ROAD TYPE A1	CH		
40	MISSILES, CSS-1 TRANSPORTER/ERECTOR	CH		
40	MISSILES, CSS-1/CSS-2 CHERRY PICKER	CH		
40	MISSILES, CSS-1/CSS-2 CRANE TRUCK MOUNTED	CH		
40	MISSILES, CSS-1/CSS-2 TRANSFER RAILCAR B1	CH		
40	MISSILES, CSS-1/CSS-2 TRANSPORTER RAIL TYPE A	CH		
40	MISSILES, CSS-2 CHECKOUT SUPPORT VEHICLE POSS	CH		
40	MISSILES, CSS-2 CONTROL/ALIGNMENT VAN	CH		
40	MISSILES, CSS-2 LAUNCH STAND TRANSPORTER	CH		
40	MISSILES, CSS-2 MOBILE LIGHTNING ARRESTER	CH		
40	MISSILES, CSS-2 PROPELLANT VEHICLE 1 TYPE K	CH		
40	MISSILES, CSS-2 PROPELLANT VEHICLE 2 TYPE L	CH		
40	MISSILES, CSS-2 TRANSPORTER/ERECTOR 1	CH		
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 FUEL TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 1	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSFER TRK 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 OXIDIZER TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 1	CH		
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		
40	MISSILES, CSS-2/CSS-3 TRANSPORTER 2	CH		
40	MISSILES, CSS-3 2ND STAGE TRANSPORTER	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE A	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE B	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE C1	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE C2	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE D	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE F	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE G	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE H	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE I	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE J	CH		

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MISSILES, PROPELLANT RAILCAR TYPE K	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE L	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE M	CH		
40	MISSILES, PROPELLANT RAILCAR TYPE N	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE A	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE B	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE C	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE D	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE E	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE F	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE M	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE N	CH		
40	MISSILES, PROPELLANT VEHICLE TYPE O	CH		
40	MISSILES, SA-8 CANISTER	UR		S086586
40	MISSILES, SA-8 TRANSLOADER	UR		S086586
40	MISSILES, SRBM TRANSPORTER/ERECTOR TYPE C	CH		S086571
40	MISSILES, SSM DEVELOPMENTS R+D/PROD INSTLS	UR		S086488
40	MISSILES, SSM GANTRY CRANE	CH		S086571
40	MISSILES, SSM GROUND SUPPORT EQUIPMENT	CH		
40	MISSILES, SS-11 COMPLEXES ACTIVITY SUMMARY	UR		S086851
40	MISSILES, SS-11 PROPELLANT TRANSFER FAC MODIF	UR		S086284
40	MISSILES, SS-11/SS-17 COMPLEXES ACT SUMMARY	UR		S086851
40	MISSILES, SS-11/SS-19 COMPLEXES ACT SUMMARY	UR		
40	MISSILES, SS-9/SS-18 COMPLEXES ACT SUMMARY	UR		
40	MISSILES, TRANSPORTER RAIL TYPE D	CH		S086571
40	MISSILES, TRANSPORTER RAIL TYPE E	CH		
40	MISSILES, TRANSPORTER ROAD TYPE B	CH		
40	MISSILES, TRANSPORTER ROAD TYPE G	CH		
40	MOSKVA GUIDED MISSILE PLANT 41 CONST SUMMARY	UR	554939N 0373023E	S086305

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	554547N 0375209E	S086272
40	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	554547N 0375209E	
40	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	554547N 0375209E	S086488
40	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	554547N 0375209E	
40	MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR	555544N 0373027E	S086305
40	MOSKVA MISSILE ASSOCIATED INSTL SILO CONV	UR	551143N 0363735E	S086487
40	MOSKVA MISSILE PROD PLT FILI 23 CONST SUMMARY	UR	554530N 0372928E	S086305
40	MOSKVA MISSILE PRODUCTION PLANT FILI 23	UR	554530N 0372928E	S086272
40	MOSKVA MISSILE PRODUCTION PLT FILI 23 SSM ACT	UR	554530N 0372928E	S086488
40	MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	555130N 0373630E	
40	NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	283752N 1155526E	S086482
40	NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	283752N 1155526E	
40	NENOKSA NAVAL MTC LAUNCH FAC D ERECTOR/LOADER	UR	643835N 0391220E	S086629
40	NUCLEAR RAILCARS SOLID MOTOR PROD PLTS ASSOC	UR		S086830
40	OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	UR	525520N 0360132E	S086372
40	ORENBURG GUIDED MISSILE PLANT 47 SSM ACTIVITY	UR	514818N 0550802E	S086488
40	ORENBURG GUIDED MISSILE PLT 47 CONST SUMMARY	UR	514818N 0550802E	S086305
40	PAVLOGRAD SOLID MOTOR ASBLY + TEST SUPT FACIL	UR	482658N 0355723E	S086685
40	PAVLOGRAD SOLID MOTOR PRODUCTION PLANT	UR	483401N 0354912E	S086673

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40	PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	595914N 0305935E	S086684
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40	SARY SHAGAN MTC COMPLEX B ABM-1B SILOS	UR	460106N 0722804E	S086376
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
40	SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING	UR	453745N 0723500E	
40	SARY SHAGAN MTC R+D COMPLEX FACILITY A	UR	455045N 0733104E	S086665
40	SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH	410800N 1001500E	S086376
40	SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH	410800N 1001500E	
40	SOLIKAMSK POWDER + SOLID MOTOR PLANT BOROVSK	UR	594020N 0564252E	S086676
40	SPACE, CSS-X-4/CSL-2 PAYLOAD TRANSPORTER	CH		S086571
40	STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850	UR	534200N 0555807E	S086677
40	SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL	MG	462048N 1082410E	S086688
40	SVERDLOVSK GUIDED MISSILE PLT 8 CONST SUMMARY	UR	565213N 0603707E	S086305
40	TIENWEI MTC SSM	CH	255520N 1024928E	S087005
40	TYURATAM MTC SPACE SITE U1/2	UR	460214N 0630212E	S086283
40	TYURATAM MTC SPACE SITE U1/2	UR	460214N 0630212E	S086300
40	ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	UR	541848N 0481959E	S086372
40	VOTKINSK MISSILE ASBLY/CHECKOUT CONST SUMMARY	UR	570224N 0540830E	S086305
40	VOTKINSK MISSILE ASBLY/CHECKOUT FACIL SSM ACT	UR	570224N 0540830E	S086488
40	VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	570242N 0535903E	
40	VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	UR	570242N 0535903E	S086305

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TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
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65	BALAKLAVA MARINE MAMMAL RSCH STA PROB IDENT	UR	4430 N 03336 E	S086504
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65	MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	UR	554527N 0374354E	S086650
65	MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	UR	554227N 0374354E	S086839
65	MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	555130N 0373630E	S086488
75	AL ISKANDARIYAH PORT FACILITIES	EG	311140N 0295255E	S086552
75	BALAKLAVA MARINE MAMMAL RSCH STA PROB IDENT	UR	4430 N 03336 E	S086504
75	BANDAR ABBAS PORT FACILITIES	IR	271039N 0561602E	S086312
75	BANDAR E SHAHPUR PORT FACILITIES ACT DECREASE	IR	302520N 0490450E	
75	DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	425400N 1322110E	S086302
75	DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	425400N 1322110E	
75	FEODOSIYA SHIPYARD YUZH-A CLASS PGHB NEW	UR	450711N 0352953E	S086631
75	FEODOSIYA SHIPYARD YUZNAYA TOCHKA FAC NEW U/C	UR	450711N 0352953E	S086862

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57  
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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
75	GULF OF SOLLUM ANCHORAGE SOVIET NAVAL UNITS	EG	314700N 0253500E	S086630
75	KHABAROVSK SHIPYARD USSURI SOUTH 143M ARD T	UR	482405N 1350226E	S086861
75	KHABAROVSK SHIPYARD USSURI SOUTH 876 ARD D	UR	482405N 1350226E	S086999
75	KHORRAMSHAHR PORT FACILITIES DISRUPTIONS	IR	302615N 0480910E	S086312
75	KOLPINO SHIPYARD MIDDLE NEVA T-58 MSF MODIF	UR	594716N 0303754E	S086846
75	KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	CH	295246N 1220033E	S086370
75	KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	CH	295246N 1220033E	
75	PUNTA MOVIDA NAVAL FACILITY PROB CONST ACT	CU	220315N 0802640W	S086663
75	SEVERODVINSK SHIPYARD 402 CRATES U/I	UR	643438N 0394832E	S086447
75	SEVERODVINSK SHIPYARD 402 LAUNCH BASIN OPRTNL	UR	643438N 0394832E	S086376
75	SEVERODVINSK SHIPYARD 402 PRESSURE HULLS PROB	UR	643438N 0394832E	S086854
75	SHARM ASH SHAYKH PORT FAC SPECIAL-PURPOSE AKL	EG	275110N 0341715E	S086670
75	SHIPS, ARD D FLOATING DRYDOCK	UR		S086999
75	SHIPS, T-58 CLASS MSF MODIFIED	UR		S086846
75	SHIPS, V-3 CLASS SSN	UR		S086376
75	SHIPS, YUZH A CLASS P6HB	UR		S086631
75	SHIPS, 143-METER ARD T	UR		S086861
75	SHIPS, 960-TON SUBMARINE	YO		S086587
75	TAHSIEN NAVAL FACILITIES APPROACHES	CH	2953 N 12157 E	S086369
75	TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E	S086376
75	TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E	
75	TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	320455N 0235850E	
80	BERESTOVITSA PETROLEUM PRODUCTS STORAGE U/G	UR	530542N 0235615E	S087001
80	SVISLOCH PETROLEUM PRODUCTS STORAGE PUG	UR	530010N 0240220E	

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
80	TARNOWSKIE GORY STORAGE FACILITY U/C	PL	502740N 0185312E	S086675
85	ASTARA RTP ACTIVITY INCREASE	IR	3826 N 04852 E	S086312
85	ASTARA RTP ACTIVITY INCREASE	IR	3826 N 04852 E	
85	BIYSK SOLID MOTOR PROD PLANT 1 NUC RAILCARS	UR	522905N 0850710E	S086682
85	BORISOV AVTOKOLONNA	UR	541540N 0263030E	S086652
85	BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	UR	531502N 0342419E	S086372
85	GORKIY MOTOR VEHICLE PLANT GAZ	UR	561448N 0435341E	S086372
85	JOLFA RAIL TRANSSHIPMENT POINT ACT DECREASE	IR	3857 N 04538 E	S086312
85	KALININ RAILROAD LOCOMOTIVE + CAR MFG/RPR PLT	UR	565206N 0355053E	S086372
85	KEMEROVO SOLID MOTOR PROD PLANT NUC RAILCARS	UR	552458N 0855832E	S086683
85	LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	2150 N 10645 E	S086692
85	LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	2150 N 10645 E	
85	LOYANG MOTOR VEHICLE PLANT NORTH HSICHENGLIU	CH	350450N 1122541E	S086860
85	MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	UR	535131N 0273931E	S086445
85	MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT	UR	535131N 0273931E	S086372
85	MOSKVA MOTOR VEHICLE PLANT LIKHACHEV	UR	554146N 0373833E	
85	NUCLEAR, RAILCARS SOLID MOTOR PROD PLTS ASSOC	UR		S086830
85	OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	UR	525520N 0360132E	S086372

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EPF/CAT	SUBJECT	COUN	COORD	ACCN NO.
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25X1

85	TRANSPORTATION, ACTIVITY DISRUPTION SOV BDR	IR		S086312
85	TRANSPORTATION, RAIL LINE TRANSLOADING FACILS	UR		S086847
85	TRANSPORTATION, RAIL LINE TRANSLOADING FACILS	UR		S086848
85	TRANSPORTATION, RAIL TRANSLOADING FACILS MIL	PL		S086484
85	TRANSPORTATION, ROAD CONST CHINESE CEASED	LA		S086496

25X1

85	ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	UR	541848N 0481959E	S086372
85	VALGA AVTOKOLONNA 1004	UR	574725N 0255908E	S086718

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TOP SECRET CHESS RUFF ZARF UMBRA

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#### PART IV

##### Listing of Reports by Coordinates



TOP SECRET CHESS RUFF ZARF UMBRA

25X1

COORD	SUBJECT	COUN	ACCN NO.
124745N 0450155E	ADEN AMMUNITION STGE + TEST AREA M-1977 MRL	YS	S086707
124745N 0450155E	ADEN AMMUNITION STGE + TEST AREA M-1977 MRL	YS	
160233N 1081215E	DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	S086690
160233N 1081215E	DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	
160233N 1081215E	DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP	VM	
2150 N 10645 E	LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	S086692
2150 N 10645 E	LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	
2150 N 10645 E	LANG SON RAIL ROAD/HIGHWAY BRIDGES/BATTLE DMG	VM	
2152 N 10705 E	NIENSHENG MILITARY CONVOYS	CH	
241638N 1092304E	LIUCHOU AIRFIELD BEAGLE IL-28/BAT TU-2 DPL	CH	S086464
2549 N 02755 E	PELINDABA STONE QUARRY EXPLOSIONS	SF	S086503
255520N 1024928E	TIENWEI MTC SSM	CH	S087005
275110N 0341715E	SHARM ASH SHAYKH PORT FAC SPECIAL-PURPOSE AKL	EG	S086670
271039N 0561602E	BANDAR ABBAS PORT FACILITIES	IR	S086312
272548N 0885524E	JENCHINGKANG STRONGPOINT 2	CH	S086583
272555N 0885525E	PIPITANG STRONGPOINT	CH	
272608N 0885426E	JENCHINGKANG STRONGPOINT 1	CH	
272710N 0885500E	PIPITANG MILITARY STORAGE AREA	CH	
272808N 0885440E	YATUNG MILITARY COMPOUND	CH	
272915N 0885428E	YATUNG MILITARY ACTIVITY	CH	
282620N 0893530E	CHUANTU MILITARY BARRACKS AREA	CH	
284220N 0893825E	CHUEHNEIHSI MILITARY BARRACKS AREA	CH	
285500N 0893620E	CHIANGTzu ARMY BARRACKS	CH	
285702N 0893130E	CHIANGTzu ARMY BARRACKS NW	CH	
283752N 1155526E	NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	S086482
283752N 1155526E	NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	
283752N 1155526E	NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD	CH	
291456N 0885247E	JHKOTSE ARMY BARRACKS AL2	CH	S086583
291540N 0885205E	JHKOTSE ARMY BARRACKS AL3	CH	
292001N 0885803E	JHKOTSE MILITARY AREA EAST	CH	
291900N 0890210E	JHKOTSE ARMY BARRACKS AL4	CH	
2919 N 09014 E	CHUSHUI AAA COMPLEX	CH	
291647N 0910108E	KUNGKA MILITARY VEHICLE MAINTENANCE/STGE DPO	CH	

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

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25X1

COORD	SUBJECT	COUN	ACCN NO.
2917 N 09101 E	KUNGKA AAA SITE	CH	
293755N 0910830E	LASA ARMY BARRACKS SOUTH AL2	CH	
293827N 0910141E	LASA ARMY BARRACKS WEST AL5	CH	
293846N 0910740E	LASA MILITARY BARRACKS AL4 + HQ TIBET MD	CH	
293912N 0910312E	LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7	CH	
293912N 0910312E	LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7	CH	
2939 N 09105 E	LASA AAA SITES	CH	
290820N 0934218E	OLANG MILITARY BARRACKS AREA	CH	
294749N 0935803E	DZEM ARMY BARRACKS AL1	CH	
294845N 0935010E	DZEM ARMY BARRACKS AL2	CH	
295310N 0931425E	KUNGPUCHIANGTA ARMY BARRACKS AL1	CH	
291120N 0940322E	MILIN ARMY BARRACKS AL2	CH	
291922N 0942330E	KANGKO MILITARY BARRACKS AREA	CH	
292951N 0942727E	LINCHIH ARMY BARRACKS AL1	CH	
293353N 0942906E	LINCHIH ARMY BARRACKS AL2	CH	
294028N 0942040E	CHUEHMU ARMY BARRACKS/DEPOT/SUPPORT AREA	CH	
294028N 0942040E	CHUEHMU ARMY BARRACKS/DEPOT/SUPPORT AREA	CH	
294543N 0941521E	TSUMUTSUNG ARMY BARRACKS NW + HQ DIVISION	CH	
295133N 0954557E	KOTA ARMY BARRACKS AL1	CH	
294445N 0960650E	RANGAO ARMY BARRACKS AL1	CH	

25X1

2953 N 12157 E	TAHSIEN NAVAL FACILITIES APPROACHES	CH	S086369
295246N 1220033E	KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	CH	S086370
295246N 1220033E	KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD	CH	
302535N 0473842E	SHAIBAH AIRFIELD HIND D MI-24 IDENTIFICATION	IZ	S086466
302615N 0480910E	KHORRAMSHAHR PORT FACILITIES DISRUPTIONS	IR	S086312
302520N 0490450E	BANDAR E SHAHPUR PORT FACILITIES ACT DECREASE	IR	

25X1

300321N 0902939E	YANGPACHING GEOTHERMAL POWER STATION	CH	S086492
303338N 0970638E	PANGTA ENGINEER BARRACKS AL1	CH	S086583
303858N 1040653E	CHENG TU AIRCRAFT ENGINE PLANT 420	CH	S086489

25X1

62  
TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

COORD	SUBJECT	COUN	ACCN NO.
300202N 1173634E	LIENKENGWANG IRBM SITE 4	CH	S086333
300446N 1173443E	LIENKENGWANG IRBM SITE 8	CH	
300636N 1173433E	LIENKENGWANG IRBM SITE 5	CH	
300846N 1173421E	LIENKENGWANG IRBM SITE 6	CH	
314700N 0253500E	GULF OF SOLLUM ANCHORAGE SOVIET NAVAL UNITS	EG	S086630
311140N 0295255E	AL ISKANDARIYAH PORT FACILITIES	EG	S086552
313000N 1044535E	MIENYANG MILITARY BARRACKS + STORAGE AREA	CH	S086584
313000N 1044535E	MIENYANG MILITARY BARRACKS + STORAGE AREA	CH	
320455N 0235850E	TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	S086376
320455N 0235850E	TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	
320455N 0235850E	TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C	LY	
325616N 0394444E	H-3 AIRFIELD CONSTRUCTION ACTIVITY	IZ	S086672

25X1

344736N 0054417E	BISKRA AIRFIELD HIND A MI-24/SHPG CONTS IDENT	AG	S086689
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25X1

350450N 1122541E	LOYANG MOTOR VEHICLE PLANT NORTH HSICHENGLIU	CH	S086860
363740N 1050004E	TALACHIH AIRFIELD FANTAN A F-9 IDENTIFICATION	CH	S086633

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COORD	SUBJECT	COUN	ACCN NO.
373510N 0615130E	MARY SAM SUPPORT FACILITY 2	UR	S086713
373500N 0615130E	MARY SAM SUPPORT FACILITY 3 SA-6 ACTIVITY	UR	
3857 N 04538 E	JOLFA RAIL TRANSSHIPMENT POINT ACT DECREASE	IR	S086312
3826 N 04852 E	ASTARA RTP ACTIVITY INCREASE	IR	
3826 N 04852 E	ASTARA RTP ACTIVITY INCREASE	IR	
390745N 1272430E	WONSAN RADIO RELAY STATION R-600	KN	S086475
404625N 0195405E	BERAT/STALIN AIRFIELD AIRCRAFT BUNKERS	AL	S086570
402546N 0995046E	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 8	CH	S086539
405148N 1224519E	HAICHENG ARMY BARRACKS NNE AL7	CH	S086574
410630N 0441600E	KALININO AIRFIELD LRA SUPPORT CAPABILITY	UR	S086829
411846N 0692331E	TASHKENT AIRFIELD CANDID IL-76 LIBYAN/IRAQI	UR	S086691
410025N 1001310E	HSIMIAO ARMY BARRACKS AL2	CH	S086540
410120N 1001312E	HSIMIAO ARMY BARRACKS AL1	CH	S086538
410650N 1001650E	SHUANGCHENG TZU ARMY BARRACKS AL1	CH	S086541
410631N 1002025E	SHUANGCHENG TZU ARMY BARRACKS AL2	CH	S086542
410800N 1001500E	SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH	S086376
410800N 1001500E	SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS	CH	
411613N 1002013E	SHUANGCHENG TZU DEFENSIVE STRONGPOINT	CH	S086543
4130 N 10030 E	SHUANGCHENG TZU MILITARY AREA	CH	S086537

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64  
TOP SECRET CHESS RUFF ZARF UMBRA

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COORD	SUBJECT	COUN	ACCN NO.
414323N 1002727E	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 4	CH	S086545
414557N 1004208E	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 5	CH	S086544
415310N 1003327E	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 2	CH	S086546
415610N 1010140E	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 3	CH	S086547
410744N 1211059E	CHINCHOU MILITARY BARRACKS AL5 + HQ ARTY DIV	CH	S086554
4107 N 12111 E	CHINCHOU MILITARY AREA 2	CH	S086553
413607N 1214655E	PEICHEN ARMY BARRACKS AL1	CH	S086555
414115N 1220640E	HEISHAN ARMY BARRACKS AL1	CH	S086556
411443N 1230827E	LIAOYANG ARMY BARRACKS AL2 + HQ ARTILLERY DIV	CH	S086573
4116 N 12310 E	LIAOYANG MILITARY AREA 1	CH	S086572
422130N 0191507E	TITOGRADE INTERNATIONAL AIRFIELD AIRCRAFT BKRS	YO	S086642

25X1

422050N 0862245E	HOCHING ARMY BARRACKS AL2 ARMOR DPL NEW	CH	S086693
420703N 1005405E	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 6	CH	S086549
420318N 1012212E	SHUANGCHENG TZU WEAPONS POSITIONS	CH	S086548
421851N 1010654E	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 1	CH	S086550
422040N 1011400E	OCHINACHI DEFENSIVE STRONGPOINT	CH	S086551
423847N 1254839E	HAILUNG ARMY BARRACKS WEST AL3	CH	S086560
424103N 1255943E	HUINAN ARMY BARRACKS WEST AL1	CH	S086559
425150N 1260250E	PANSHIH ARMY BARRACKS SOUTH AL2	CH	S086561
4256 N 12604 E	PANSHIH MILITARY AREA 1	CH	S086557
425604N 1260424E	PANSHIH ARMY BARRACKS SE AL1 + HQ ARTY DIV	CH	S086558

25X1

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COORD	SUBJECT	COUN	ACCN NO.
425400N 1322110E	DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	S086302
425400N 1322110E	DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN	UR	
434915N 0203509E	OBRVA AIRFIELD AIRCRAFT BUNKERS	YO	S086648
430910N 0762330E	ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I	UR	S086837
431211N 0763603E	ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I	UR	S086836
433520N 1221415E	TUNGLIAO ARMY BARRACKS SW AL7	CH	S086581
430656N 1244257E	SSUPING ARMY BARRACKS EAST AL5 TANK TRSHPMT	CH	S086471
4310 N 12420 E	SSUPING MILITARY AREA 1	CH	S086579
431024N 1242105E	SSUPING MILITARY BKS AL1/HQ ANTITANK ARTY DIV	CH	S086580
430657N 1315340E	VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR	S086727
430657N 1315340E	VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER	UR	
430704N 1315501E	VLADIVOSTOK TV TRANSMITTER STATION 1	UR	
445340N 0135520E	PULA AIRFIELD AIRCRAFT BUNKERS	YO	S086641
440552N 0152124E	ZADAR AIRFIELD AIRCRAFT BUNKERS	YO	S086567
442730N 0184330E	TUZLA AIRFIELD AIRCRAFT BUNKERS	YO	S086565
445630N 0201500E	BATAJNICA AIRFIELD AIRCRAFT BUNKERS	YO	S086643
442131N 0282920E	CONSTANTA/MIHAIL KOGALNICEANU AFLD RSN-4N	RO	S086589
4430 N 03336 E	BALAKLAVA MARINE MAMMAL RSCH STA PROB IDENT	UR	S086504
4430 N 03336 E	BALAKLAVA MARINE MAMMAL RSCH STA PROB IDENT	UR	

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66  
TOP SECRET CHESS RUFF ZARF UMBRA

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COORD	SUBJECT	COUN	ACCN NO.
443428N 0400732E	MAYKOP ARMY BKS SOUTH MRD SECOND GENERATION	UR	S086656
443051N 1111151E	ULAAN UUL MILITARY TRNG AREA JOINT TRNG EXER	MG	S086696
440859N 1331523E	ARSENYEV AIRFRAME PLANT 116 CONST SUMMARY	UR	S086305
441608N 1332402E	VARFOLOMEYEVKA ARMY BARRACKS AL1	UR	S086721
455401N 0153155E	CERKLJE AIRFIELD AIRCRAFT BUNKERS	YO	S086566
454435N 0160413E	ZAGREB AIRFIELD AIRCRAFT BUNKERS	YO	S086647
455650N 0292239E	CHERVONO GLINSKOYE AIRFIELD FLAGON SU-15	UR	S086720
451930N 0340623E	OKTYABRSKOYE AIRFIELD PRE-FLIGHT ACTIVITY	UR	S086632
450711N 0352953E	FEODOSIYA SHIPYARD YUZH-A CLASS PGHB NEW	UR	S086631
450711N 0352953E	FEODOSIYA SHIPYARD YUZNAYA TOCHKA FAC NEW U/C	UR	S086862
454230N 0632020E	TYURATAM MTC RANGEHEAD TRACKING FAC BOW/ARROW	UR	S086671
453745N 0723500E	SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING	UR	S086376
455045N 0733104E	SARY SHAGAN MTC R+D COMPLEX FACILITY A	UR	S086665
454459N 1061443E	MANDALGOVI MILITARY INSTALLATION MRD MBLZTN	MG	S086697
453910N 1225015E	PAICHENG ARMY BARRRACKS NORTH AL5	CH	S086582

4621 N 04803 E	ASTRAKHAN GAS FIELD DEVELOPMENT	UR	S086495
460214N 0630212E	TYURATAM MTC SPACE SITE U1/2	UR	S086283
460214N 0630212E	TYURATAM MTC SPACE SITE U1/2	UR	S086300
460106N 0722804E	SARY SHAGAN MTC COMPLEX B ABM-1B SILOS	UR	S086376
463600N 0743000E	SARY SHAGAN MTC PHASED-ARRAY RADAR FAC NORTH	UR	S086705
462100N 1025000E	ARVAYHEER HELIPORT CURL AN-26/CRATE IL-14	MG	S086698

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COORD	SUBJECT	COUN	ACCN NO.
462200N 1024800E	ARVAYHEER ARMY BKS AL1 RSV EQUIP ACTIVATED	MG	
462048N 1082410E	SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL	MG	S086688
462048N 1082410E	SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL	MG	
472008N 0163550E	SZOMBATHELY AMMUNITION DEPOT KOSZEG 501	HU	S087002
4719 N 02905 E	GOLERKANY CIVIL DEFENSE GOVERNMENT RELOC SITE	UR	S086376
475140N 0351750E	ZAPOROZHYE AIRCRAFT REPAIR BASE	UR	S086563
471546N 0394846E	ROSTOV AIRCRAFT REPAIR BASE	UR	S086646
472430N 0400625E	NOVOCHERKASSK ARMY BARRACKS AL9	UR	S086859
472003N 1235832E	CHICHIHAERH ARMS + AMMUNITION PARTS PLANT 127	CH	S086481
471536N 1424617E	DOLINSK/SOKOL AIRFIELD FLAGON SU-15 COUNTS	UR	S086828
485415N 0244005E	IVANO FRANKOVSK ARMY BARRACKS AL5	UR	S086853
480220N 0305110E	PERVOMAYSK MILITARY INSTALLATION	UR	S086856
480130N 0324154E	DOLINSKAYA AIRFIELD LRA SUPPORT CAPABILITY	UR	S086833
482601N 0345828E	DNEPROPETROVSK MISSILE DPC SSM ACTIVITY	UR	S086488
482601N 0345828E	DNEPROPETROVSK MISSILE DPC CONST SUMMARY	UR	S086305
482658N 0355723E	PAVLOGRAD SOLID MOTOR ASBLY + TEST SUPT FACIL	UR	S086685
483401N 0354912E	PAVLOGRAD SOLID MOTOR PRODUCTION PLANT	UR	

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TOP SECRET CHESS RUFF ZARF UMBRA

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COORD	SUBJECT	COUN	ACCN NO.
481750N 0401049E	KAMENSK SHAKHTINSKIY SOLID MOTOR PROD PLANT	UR	S086678
484632N 0443449E	VOLGOGRAD STEEL + MACH PLT KRASNYY BARRIKADA	UR	S086372
485510N 0443119E	VOLGOGRAD MILITARY TEST FACILITY 1	UR	
483858N 0454538E	KAPUSTIN YAR MTC RANGEHEAD TRKG FAC BOW/ARROW	UR	S086671
480600N 0534400E	MAKAT ASM IMPACT AREA B RADAR TGTS/CRTS NEW	UR	S086506
483103N 0580207E	EMBA MTC LAUNCH CPLX SPOON REST D RDR VAN MTD	UR	S086477

25X1

482405N 1350226E	KHABAROVSK SHIPYARD USSURI SOUTH 143M ARD T	UR	S086861
482405N 1350226E	KHABAROVSK SHIPYARD USSURI SOUTH 876 ARD D	UR	S086999
494935N 0234130E	GORODOK AIRFIELD NE LRA AIRCRAFT SUPPORT CPBL	UR	S086687
492330N 0270200E	KHMELNITSKIY ARMY TRAINING AREA SE	UR	S086844
494749N 0300135E	BELAYA TSERKOV AIRFIELD MOSS TU-126	UR	S086843
494444N 0350132E	KOCHUBEYEVKA AIRFIELD NO SIGNIFICANT CHANGE	UR	S086831
490006N 0443435E	VOLGOGRAD MILITARY TEST FACILITY 3	UR	S086372

25X1

501530N 0145335E	MILOVICE SA-6 TRNG SITE A02 FLAT FACE MODIF	CZ	S086588
502740N 0185312E	TARNOWSKIE GORY STORAGE FACILITY U/C	PL	S086675
501827N 0264902E	SLAVUTA AMMUNITION DEPOT WEST DA1	UR	S086657
503749N 0261437E	ROVNO MILITARY SUPPLY DEPOT NORTH D01	UR	S086645

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503601N 0301143E	GOSTOMEL AIRFIELD LRA AIRCRAFT SUPPORT CPBL	UR	S086825
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COORD

SUBJECT

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ACCN NO.

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511712N 0461355E	ENGELS/LEBEDOVO AIRFIELD LRA SUPPORT CPBL	UR	S086832
514818N 0550802E	ORENBURG GUIDED MISSILE PLT 47 CONST SUMMARY	UR	S086305
514818N 0550802E	ORENBURG GUIDED MISSILE PLANT 47 SSM ACTIVITY	UR	S086488
515333N 0672113E	TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW	UR	S086671
513222N 0811237E	RUBTSOVSK TRACTOR PLANT ALTA 1	UR	S086372
515111N 1075329E	ULAN UDE MILITARY BARRACKS AL3 REGT ABSENT	UR	S086699
515040N 1122850E	SOKHONDO AIRFIELD	UR	S086354
515500N 1130718E	DOMNA AIRFIELD FLOGGER MIG-23	UR	S086714

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TOP SECRET CHESS RUFF ZARF UMBRA

COORD

SUBJECT

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ACCN NO.

520540N 0233815E	BREST ENGINEER STORAGE FACILITY	UR	S086724
525555N 0332400E	POCHEP AIRFIELD LRA AIRCRAFT SUPPORT CPBL	UR	S086827
525520N 0360132E	OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	UR	S086372
525520N 0360132E	OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT	UR	

520505N 1132920E	CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	UR	S086651
520505N 1132920E	CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2	UR	

530542N 0235615E	BERESTOVITSA PETROLEUM PRODUCTS STORAGE U/G	UR	S087001
530010N 0240220E	SVISLOCH PETROLEUM PRODUCTS STORAGE PUG	UR	

71  
TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

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COORD	SUBJECT	COUN	ACCN NO.
533458N 0254745E	NOVOGRUDOK ARMY BARRACKS AL1	UR	S087000
535131N 0273931E	MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	UR	S086445
535131N 0273931E	MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT	UR	S086372
535131N 0273931E	MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT	UR	S086445
535131N 0273931E	MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	UR	S086445
531727N 0283837E	OSIPOVICH I ARMY BKS SOUTH AL2 M-1977 MRL DPL	UR	S086465
531210N 0291630E	BOBRUYSK ORDNANCE DEPOT NNE D01	UR	S086841
531502N 0342419E	BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	UR	S086372
531502N 0342419E	BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1	UR	
531713N 0342352E	BRYANSK GUIDED MISSILE SUPPORT EQUIP PLANT 2	UR	
534200N 0555807E	STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850	UR	S086677
534200N 0555807E	STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850	UR	
531017N 1582711E	PETROPAVLOVSK/YELIZOVO AIRFIELD COOT MODIFIED	UR	S086505
542230N 0184027E	GDANSK MILITARY BARRACKS	PL	S086644
545240N 0235500E	KAUNAS AIRCRAFT REPAIR BASE	UR	S086564
541540N 0283030E	BORISOV AVTOKOLONNA	UR	S086652
541848N 0481959E	ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	UR	S086372
541848N 0481959E	ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT	UR	

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TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

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COORD	SUBJECT	COUN	ACCN NO.
545759N 0732748E	OMSK AIRFRAME PLANT 166 CONSTRUCTION SUMMARY	UR	S086305
551143N 0363735E	MOSKVA MISSILE ASSOCIATED INSTL SILO CONV	UR	S086487
554146N 0373833E	MOSKVA MOTOR VEHICLE PLANT LIKHACHEV	UR	S086372
554227N 0374354E	MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	UR	S086839
554530N 0372928E	MOSKVA MISSILE PRODUCTION PLANT FILI 23	UR	S086272
554530N 0372928E	MOSKVA MISSILE PROD PLT FILI 23 CONST SUMMARY	UR	S086305
554530N 0372928E	MOSKVA MISSILE PRODUCTION PLT FILI 23 SSM ACT	UR	S086488
554527N 0374354E	MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42	UR	S086650
554547N 0375209E	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	S086488
554547N 0375209E	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	S086272
554547N 0375209E	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR	S086488
554547N 0375209E	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV	UR	S086272
554939N 0373023E	MOSKVA GUIDED MISSILE PLANT #1 CONST SUMMARY	UR	S086305
555130N 0373630E	MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	S086488
555130N 0373630E	MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR	
555222N 0372840E	MOSKVA ARMY BARRACKS AL42 + SIGNAL REGIMENT	UR	S086840
555544N 0373027E	MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR	S086305

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COORD	SUBJECT	COUN	ACCN NO.
555544N 0373027E	MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY	UR	
552651N 0381427E	BRONNITSY ARMORED VEHICLE RESEARCH FACILITY	UR	S086372
552700N 0380800E	BRONNITSY MILITARY VEHICLE TEST AREA	UR	
552746N 0383143E	FAUSTOVO AEROSPACE R+D FACILITY	UR	S086272
552746N 0383143E	FAUSTOVO AEROSPACE R+D FACILITY SSM ACTIVITY	UR	S086488
554801N 0490251E	KAZAN AIRFRAME PLANT A387	UR	S086702
550617N 0594223E	ZLAToust ARMAMENT PLANT 66 CONST SUMMARY	UR	S086305
554224N 0604800E	KYSHTYM PLUTONIUM PROD PLANT CHEM SEP AREA 3	UR	S086858
554139N 0845941E	YURGA ARMY BKS SE AL1 HEAVY ARTY BRGD IDENT	UR	S086717

25X1

562750N 0210120E	LIEPAJA AIRFIELD TALL KING AW RADAR ELCT O/B	UR	S086474
565525N 0235817E	RIGA AIRFIELD WEST MOSS TU-126 SEARCH	UR	S086834
565832N 0240351E	RIGA AIRCRAFT REPAIR BASE	UR	S086568
565206N 0355053E	KALININ RAILROAD LOCOMOTIVE + CAR MFG/RPR PLT	UR	S086372
560803N 0370420E	SAVELYEVO RADIO RELAY STATION	UR	S086725
564521N 0370700E	IVANKOVSKIY GUIDED MISSILE PLT CONST SUMMARY	UR	S086305
565819N 0405715E	IVANOVO CRANE PLANT	UR	S086372
562208N 0411934E	KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	S086305
562208N 0411934E	KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	
562208N 0411934E	KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY	UR	
561448N 0435341E	GORKIY MOTOR VEHICLE PLANT GAZ	UR	S086372
561936N 0435321E	GORKIY ARMAMENT PLT NOVYE SORMOVO STALIN 92	UR	
564215N 0602340E	SVERDLOVSK AIR DEFENSE COMMAND POST	UR	S086817

25X1

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TOP SECRET CHESS RUFF ZARF UMBRA

25X1

COORD	SUBJECT	COUN	ACCN NO.
565213N 0603707E	SVERDLOVSK GUIDED MISSILE PLT 8 CONST SUMMARY	UR	S086305
563705N 0845217E	TOMSK URANIUM ISOTOPE SEP PLT CASCADE BLDG 4	UR	S086376
560054N 0925913E	KRASNOYARSK ARMS PLT VOROSHILOV CONST SUMMARY	UR	S086305
560236N 0930237E	KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	UR	S086681
560236N 0930237E	KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT	UR	
574725N 0255908E	VALGA AVTOKOLONNA 1004	UR	S086718
574534N 0405333E	KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	UR	S086372
574534N 0405333E	KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT	UR	
570242N 0535903E	VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	UR	S086305
570242N 0535903E	VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	S086488
570242N 0535903E	VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY	UR	S086305
570242N 0535903E	VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR	S086488
570224N 0540830E	VOTKINSK MISSILE ASBLY/CHECKOUT CONST SUMMARY	UR	S086305
570224N 0540830E	VOTKINSK MISSILE ASBLY/CHECKOUT FACIL SSM ACT	UR	S086488

25X1

574550N 0561125E	PERM ICBM COMPLEX HQ COMSAT STATION ANTENNAS	UR	S086816
583834N 0493709E	KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR	S086305
583834N 0493709E	KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY	UR	
595412N 0290118E	LOMONOSOV LASER WPNS FAC FAN-SHAPED RANGE U/C	UR	S086446
594025N 0304210E	KRASNY BOK RADIO RELAY STATION NEW	UR	S086726
594716N 0303754E	KOLPINO SHIPYARD MIDDLE NEVA T-58 MSF MODIF	UR	S086846
595302N 0301456E	LENINGRAD HEAVY EQUIP PLANT 185 FAB BLDG NEW	UR	S086849

25X1

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TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

COORD	SUBJECT	COUN	ACCN NO.
595613N 0302319E	LENINGRAD INSTRUMENT STATE PLANT LIZ	UR	S086637
595934N 0301721E	LENINGRAD GUIDED MSL PLANT 458 CONST SUMMARY	UR	S086305
595914N 0305935E	PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	S086684
595914N 0305935E	PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV	UR	
592150N 0311450E	LYUBAN RADIO RELAY STATION NORTH NEW	UR	S086726
592630N 0320040E	KIRISHI RADIO RELAY STATION	UR	
592900N 0325400E	KLINETS RADIO RELAY STATION NEW	UR	
591000N 0350930E	ANISIMOV RADIO RELAY STATION NEW	UR	
591054N 0352005E	CHAGODA RADIO RELAY STATION NEW	UR	
591124N 0390740E	KIPELOVO AIRFIELD	UR	S086662
591124N 0390740E	KIPELOVO AIRFIELD GCA SITE	UR	
591130N 0390810E	KIPELOVO NAVAL AVIATION COMD POST BKR SOUTH	UR	
591329N 0390947E	KIPELOVO AIRFIELD PETROLEUM PRODUCTS STGE RSV	UR	
591414N 0391138E	KIPELOVO NAVAL AVIATION COMMAND POST BKR NE	UR	
591410N 0395530E	VOLOGDA AMMUNITION DEPOT DA1	UR	S086838
594020N 0564252E	SOLIKAMSK POWDER + SOLID MOTOR PLANT BOROVSK	UR	S086676
624645N 0402010E	PLESETSK MTC RANGEHEAD TRACKING FAC BOW/ARROW	UR	S086671
643438N 0394832E	SEVERODVINSK SHIPYARD 402 CRATES U/I	UR	S086447
643438N 0394832E	SEVERODVINSK SHIPYARD 402 LAUNCH BASIN OPRTNL	UR	S086376
643438N 0394832E	SEVERODVINSK SHIPYARD 402 PRESSURE HULLS PROB	UR	S086854
643835N 0391220E	NENOKSA NAVAL MTC LAUNCH FAC D ERECTOR/LOADER	UR	S086629
660300N 0764735E	URENGOY GAS FIELD 1	UR	S086703

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TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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COORD	SUBJECT	COUN	ACCN NO.
660307N 0765138E	URENGOY GAS FIELD 4	UR	
660521N 0764033E	URENGOY GAS FIELD 3	UR	
662859N 0764052E	URENGOY GAS FIELD 2	UR	
673329N 0640941E	VORKUTA INTERFEROMETER SITE BOW + ARROW	UR	S086671
6912 N 13947 E	DEPUTATSKIY TROPOSCATTER/MICROWAVE TOWER POSS	UR	S086494
7038 N 13420 E	KULAR COMMUNICATIONS FACILITY SEARCH	UR	
7001 N 13531 E	UST KUYGA MICROWAVE TOWER SITE POSS U/C	UR	
7044 N 13610 E	KAZACHYE U/I CONSTRUCTION	UR	
713806N 1284509E	TIKSI TROPOSCATTER STATION 19 METER DISH ANTS	UR	
220315N 0802640W	PUNTA MOVIDA NAVAL FACILITY PROB CONST ACT	CU	S086663
003430S 0304140E	MBARARA ARMY BARRACKS BATTLE DAMAGE	UG	S086786
160612S 0333820E	TETE CHINGOZI AIRFIELD COMBAT DAMAGE	MZ	S086467
160612S 0333820E	TETE CHINGOZI AIRFIELD COMBAT DAMAGE	MZ	
175300S 0155800E	ONDANGUA AIRFIELD AIRCRAFT INCREASE	WA	S086695

25X1

340420S 0184530E	FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC	SF	S086375
340420S 0184530E	FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC	SF	

TOP SECRET CHESS RUFF ZARF UMBRA

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## PART V

### Listing of Reports by WAC/BE Number

TOP SECRET CHESS RUFF ZARF UMBRA

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

TIKSI TROPOSCATTER STATION 19 METER DISH ANTS

713806N 1284509E UR S086494

SEVERODVINSK SHIPYARD 402 PRESSURE HULLS PROB

643438N 0394832E UR S086854

SEVERODVINSK SHIPYARD 402 LAUNCH BASIN OPRTNL

643438N 0394832E UR S086376

SEVERODVINSK SHIPYARD 402 CRATES U/I

643438N 0394832E UR S086447

NENOKSA NAVAL MTC LAUNCH FAC D ERECTOR/LOADER

643835N 0391220E UR S086629

VORKUTA INTERFEROMETER SITE BOW + ARROW

673329N 0640941E UR S086671

URENGOY GAS FIELD 1

660300N 0764735E UR S086703

URENGOY GAS FIELD 2

662859N 0764052E UR

URENGOY GAS FIELD 3

660521N 0764033E UR

URENGOY GAS FIELD 4

660307N 0765138E UR

PLESETSK MTC RANGEHEAD TRACKING FAC BOW/ARROW

624645N 0402010E UR S086671

LIEPAJA AIRFIELD TALL KING AW RADAR ELCT O/B

562750N 0210120E UR S086474

LOMONOSOV LASER WPNS FAC FAN-SHAPED RANGE U/C

595412N 0290118E UR S086446

KRASNYY BOR RADIO RELAY STATION NEW

594025N 0304210E UR S086726

KLINETS RADIO RELAY STATION NEW

592900N 0325400E UR

KIRISHI RADIO RELAY STATION

592630N 0320040E UR

LYUBAN RADIO RELAY STATION NORTH NEW

592150N 0311450E UR

LENINGRAD HEAVY EQUIP PLANT 185 FAB BLDG NEW

595302N 0301456E UR S086849

PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV

595914N 0305935E UR S086684

PETROKREPOST EXPLOSIVES/SOLID MTR PLT MOROZOV

595914N 0305935E UR

LENINGRAD INSTRUMENT STATE PLANT LIZ

595613N 0302319E UR S086637

LENINGRAD GUIDED MSL PLANT 458 CONST SUMMARY

595934N 0301721E UR S086305

TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

KOLPINO SHIPYARD MIDDLE NEVA T-58 MSF MODIF

594716N 0303754E

UR

S086846

RIGA AIRCRAFT REPAIR BASE

565832N 0240351E

UR

S086568

VALGA AVTOKOLONNA 1004

574725N 0255908E

UR

S086718

RIGA AIRFIELD WEST MOSS TU-126 SEARCH

565525N 0235817E

UR

S086834

CHAGODA RADIO RELAY STATION NEW  
ANISIMOVO RADIO RELAY STATION NEW591054N 0352005E  
591000N 0350930EUR  
UR

S086726

KIPELOVO AIRFIELD GCA SITE

591124N 0390740E

UR

S086662

GORKIY MOTOR VEHICLE PLANT GAZ  
KALININ RAILROAD LOCOMOTIVE + CAR MFG/RPR PLT  
GORKIY ARMAMENT PLT NOVOTE SORMOVO STALIN 92561448N 0435341E  
565206N 0355053E  
561936N 0435321EUR  
UR  
UR

S086372

IVANKOVSKIY GUIDED MISSILE PLT CONST SUMMARY

564521N 0370700E

UR

S086305

IVANOV CRANE PLANT

565819N 0405715E

UR

S086372

KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY  
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY  
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY562208N 0411934E  
562208N 0411934E  
562208N 0411934EUR  
UR  
UR

S086305

KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT  
KOSTROMA CONSTRUCTION + GM SUPPORT EQUIP PLT574534N 0405333E  
574534N 0405333EUR  
UR

S086372

KIPELOVO AIRFIELD PETROLEUM PRODUCTS STGE RSV

591329N 0390947E

UR

S086662

SAVELYEVO RADIO RELAY STATION

560803N 0370420E

UR

S086725

VOLOGDA AMMUNITION DEPOT DA1

591410N 0395530E

UR

S086838

KIPELOVO NAVAL AVIATION COMMAND POST BKR NE  
KIPELOVO NAVAL AVIATION COMD POST BKR SOUTH  
KIPELOVO AIRFIELD591414N 0391138E  
591130N 0390810E  
591124N 0390740EUR  
UR  
UR

S086662

KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY  
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY  
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY  
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY583834N 0493709E  
583834N 0493709E  
570242N 0535903E  
570242N 0535903EUR  
UR  
UR  
UR

S086305

TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT		570242N 0535903E	UR	S086488
	VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT		570242N 0535903E	UR	
	VOTKINSK MISSILE ASBLY/CHECKOUT CONST SUMMARY		570224N 0540830E	UR	S086305
	VOTKINSK MISSILE ASBLY/CHECKOUT FACIL SSM ACT		570224N 0540830E	UR	S086488
	SVERDLOVSK AIR DEFENSE COMMAND POST		564215N 0602340E	UR	S086817
	SVERDLOVSK GUIDED MISSILE PLT 8 CONST SUMMARY		565213N 0603707E	UR	S086305
	SOLIKAMSK POWDER + SOLID MOTOR PLANT BOROVSK		594020N 0564252E	UR	S086676

25X1

25X1

PERM ICBM COMPLEX HQ COMSAT STATION ANTENNAS

574550N 0561125E UR S086816

25X1

KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT  
KRASNOYARSK EXPLOSIVES + SOLID MOTOR PROD PLT560236N 0930237E UR S086681  
560236N 0930237E UR

KRASNOYARSK ARMS PLT VOROSHILOV CONST SUMMARY

560054N 0925913E UR S086305

25X1

YURGA ARMY BKS SE AL1 HEAVY ARTY BRGD IDENT

554139N 0845941E UR S086717

25X1

OMSK AIRFRAME PLANT 166 CONSTRUCTION SUMMARY  
ZLATOUST ARMAMENT PLANT 66 CONST SUMMARY545759N 0732748E UR S086305  
550617N 0594223E UR

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT ULYANOVSK MOTOR VEHICLE + MSL SUPT EQUIP PLT		541848N 0481959E 541848N 0481959E	UR UR	S086372
	KAZAN AIRFRAME PLANT A387		554801N 0490251E	UR	S086702
	STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850 STERLITAMAK EXPLOSIVES/SOLID MTR PROD PLT 850		534200N 0555807E 534200N 0555807E	UR UR	S086677
	BRONNITSY MILITARY VEHICLE TEST AREA		552700N 0380800E	UR	S086372
	MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT		555130N 0373630E 555130N 0373630E	UR UR	S086488
	MOSKVA MOTOR VEHICLE PLANT LIKHACHEV		554146N 0373833E	UR	S086372
	MOSKVA MISSILE PROD PLT FILI 23 CONST SUMMARY		554530N 0372928E	UR	S086305
	MOSKVA MISSILE PRODUCTION PLANT FILI 23		554530N 0372928E	UR	S086272
	MOSKVA MISSILE PRODUCTION PLT FILI 23 SSM ACT		554530N 0372928E	UR	S086488
	MOSKVA GUIDED MISSILE PLANT 41 CONST SUMMARY MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY		554939N 0373023E 555544N 0373027E 555544N 0373027E	UR UR UR	S086305
	BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1 BRYANSK ROAD MACHINERY + GM SUPT EQUIP PLT 1		531502N 0342419E 531502N 0342419E	UR UR	S086372
	OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT OREL ROAD MACHINERY/MISSILE SUPT EQUIP PLANT		525520N 0360132E 525520N 0360132E	UR UR	S086372

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TOP SECRET CHESS RUFF ZARF UMBRA

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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	S086272
	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT		554547N 0375209E	UR	S086488
	MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		554547N 0375209E	UR	S086272
	MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT		554547N 0375209E	UR	S086488
	FAUSTOVO AEROSPACE R+D FACILITY		552746N 0383143E	UR	S086272
	FAUSTOVO AEROSPACE R+D FACILITY SSM ACTIVITY		552746N 0383143E	UR	S086488
	MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42		554227N 0374354E	UR	S086839
	MOSKVA SCIENTIFIC RESEARCH INSTITUTE 42		554527N 0374354E	UR	S086650
	MOSKVA MISSILE ASSOCIATED INSTL SILO CONV		551143N 0363735E	UR	S086487

25X1

BRYANSK GUIDED MISSILE SUPPORT EQUIP PLANT 2	531713N 0342352E	UR	S086372
MOSKVA ARMY BARRACKS AL42 + SIGNAL REGIMENT	555222N 0372840E	UR	S086840
BRONNITSY ARMORED VEHICLE RESEARCH FACILITY	552651N 0381427E	UR	S086372
POCHEP AIRFIELD LRA AIRCRAFT SUPPORT CPBL	525555N 0332400E	UR	S086827
BORISOV AVTOKOLONNA	541540N 0283030E	UR	S086652

25X1

OSIPOVICH I ARMY BKS SOUTH AL2 M-1977 MRL DPL	531727N 0283837E	UR	S086465
NOVOGRUDOK ARMY BARRACKS AL1	533458N 0254745E	UR	S087000
MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	535131N 0273931E	UR	S086445
MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT	535131N 0273931E	UR	S086372
MINSK MOTOR VEH + GM EQUIP PLANT VEH TEST FAC	535131N 0273931E	UR	S086445

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TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

MINSK MOTOR VEHICLE + GM SUPPORT EQUIP PLANT

535131N 0273931E

UR

S086372

SVISLOCH PETROLEUM PRODUCTS STORAGE PUG  
BERESTOVITSA PETROLEUM PRODUCTS STORAGE U/G

530010N 0240220E

UR

S087001

530542N 0235615E

UR

BOBRUYSK ORDNANCE DEPOT NNE D01

531210N 0291630E

UR

S086841

KAUNAS AIRCRAFT REPAIR BASE

545240N 0235500E

UR

S086564

BREST ENGINEER STORAGE FACILITY

520540N 0233815E

UR

S086724

PETROPAVLOVSK/YELIZOVO AIRFIELD COOT MODIFIED

531017N 1582711E

UR

S086505

CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2  
CHITA ARMY BARRACKS NORTH AL2 + TRNG AREA 2

520505N 1132920E

UR

S086651

520505N 1132920E

UR

TOP SECRET CHESS RUFF ZARF UMBRA



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WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	ULAN UDE MILITARY BARRACKS AL3 REGT ABSENT		515111N 1075329E	UR	S086699
	SOKHONDO AIRFIELD		515040N 1122850E	UR	S086354
	DOMNA AIRFIELD FLO6GER MIG-23		515500N 1130718E	UR	S086714
	KHABAROVSK SHIPYARD USSURI SOUTH 876 ARD D		482405N 1350226E	UR	S086999
	KHABAROVSK SHIPYARD USSURI SOUTH 143M ARD T		482405N 1350226E	UR	S086861
	MILOVICE SA-6 TRNG SITE A02 FLAT FACE MODIF		501530N 0145335E	CZ	S086588
	IVANO FRANKOVSK ARMY BARRACKS AL5		485415N 0244005E	UR	S086853
	GORODOK AIRFIELD NE LRA AIRCRAFT SUPPORT CPBL		494935N 0234130E	UR	S086687
	PERVOMAYSK MILITARY INSTALLATION		480220N 0305110E	UR	S086856
	ROVNO MILITARY SUPPLY DEPOT NORTH DQ1		503749N 0261437E	UR	S086645
	KHMELNITSKIY ARMY TRAINING AREA SE		492330N 0270200E	UR	S086844

85  
TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

SLAVUTA AMMUNITION DEPOT WEST DA1

501827N 0264902E

UR

S086657

BELAYA TSERKOV AIRFIELD MOSS TU-126

494749N 0300135E

UR

S086843

GOSTOMEL AIRFIELD LRA AIRCRAFT SUPPORT CPBL

503601N 0301143E

UR

S086825

DOLINSKAYA AIRFIELD LRA SUPPORT CAPABILITY

480130N 0324154E

UR

S086833

DNEPROPETROVSK MISSILE DPC SSM ACTIVITY

482601N 0345828E

UR

S086488

DNEPROPETROVSK MISSILE DPC CONST SUMMARY

482601N 0345828E

UR

S086305

KAMENSK SHAKHTINSKIY SOLID MOTOR PROD PLANT

481750N 0401049E

UR

S086678

PAVLOGRAD SOLID MOTOR PRODUCTION PLANT

483401N 0354912E

UR

S086673

PAVLOGRAD SOLID MOTOR ASBLY + TEST SUPT FACIL

482658N 0355723E

UR

S086685

KOCHUBEYEVKA AIRFIELD NO SIGNIFICANT CHANGE

494444N 0350132E

UR

S086831

VOLGOGRAD MILITARY TEST FACILITY 3

490006N 0443435E

UR

S086372

VOLGOGRAD MILITARY TEST FACILITY 1

485510N 0443119E

UR

S086372

KAPUSTIN YAR MTC RANGEHEAD TRKG FAC BOW/ARROW

483858N 0454538E

UR

S086671

VOLGOGRAD STEEL + MACH PLT KRASNYY BARRIKADA

484632N 0443449E

UR

S086372

TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	ENGELS/LEBEDOVO AIRFIELD LRA SUPPORT CPBL		511712N 0461355E	UR	S086832
	MAKAT ASM IMPACT AREA B RADAR TGTS/CRTRS NEW		480600N 0534400E	UR	S086506
	ORENBURG GUIDED MISSILE PLANT 47 SSM ACTIVITY		514818N 0550802E	UR	S086488
	ORENBURG GUIDED MISSILE PLT 47 CONST SUMMARY		514818N 0550802E	UR	S086305
	EMBA MTC LAUNCH CPLX SPOON REST D RDR VAN MTD		483103N 0580207E	UR	S086477
	TYURATAM MTC TRACKING FACILITY 5 BOW + ARROW		515333N 0672113E	UR	S086671

25X1

25X1

RUBTSOVSK TRACTOR PLANT ALTA 1	513222N 0811237E	UR	S086372
SARY SHAGAN MTC R+D COMPLEX FACILITY A	455045N 0733104E	UR	S086665
SARY SHAGAN MTC PHASED-ARRAY RADAR FAC NORTH	463600N 0743000E	UR	S086705
SARY SHAGAN MTC COMPLEX B ABM-1B SILOS	460106N 0722804E	UR	S086376
SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING	453745N 0723500E	UR	
TYURATAM MTC RANGEHEAD TRACKING FAC BOW/ARROW	454230N 0632020E	UR	S086671
TYURATAM MTC SPACE SITE U1/2	460214N 0630212E	UR	S086300
TYURATAM MTC SPACE SITE U1/2	460214N 0630212E	UR	S086283
MAYKOP ARMY BKS SOUTH MRD SECOND GENERATION	443428N 0400732E	UR	S086656
ROSTOV AIRCRAFT REPAIR BASE	471546N 0394846E	UR	S086646
ZAPOROZHYE AIRCRAFT REPAIR BASE	475140N 0351750E	UR	S086563
FEODOSIYA SHIPYARD YUZHAYA TOCHKA FAC NEW U/C	450711N 0352953E	UR	S086862
FEODOSIYA SHIPYARD YUZH-A CLASS PGHB NEW	450711N 0352953E	UR	S086631
NOVOCHERKASSK ARMY BARRACKS AL9	472430N 0400625E	UR	S086859

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	OKTYABRSKOYE AIRFIELD PRE-FLIGHT ACTIVITY		451930N 0340623E	UR	S086632
	CHERVONO GLINSKOYE AIRFIELD FLAGON SU-15		455650N 0292239E	UR	S086720
	CONSTANTA/MIHAIL KOGALNICEANU AFLD RSBN-4N		442131N 0282920E	RO	S086589
	BATAJNICA AIRFIELD AIRCRAFT BUNKERS		445630N 0201500E	YO	S086643
	SZOMBATHELY AMMUNITION DEPOT KOSZEG 501		472008N 0163550E	HU	S087002
	ZAGREB AIRFIELD AIRCRAFT BUNKERS		454435N 0160413E	YO	S086647
	CERKLJE AIRFIELD AIRCRAFT BUNKERS		455401N 0153155E	YO	S086566
	PULA AIRFIELD AIRCRAFT BUNKERS		445340N 0135520E	YO	S086641
	ZADAR AIRFIELD AIRCRAFT BUNKERS		440552N 0152124E	YO	S086567
	TUZLA AIRFIELD AIRCRAFT BUNKERS		442730N 0184330E	YO	S086565
	DOLINSK/SOKOL AIRFIELD FLAGON SU-15 COUNTS		471536N 1424617E	UR	S086828
	ARSENYEV AIRFRAME PLANT 116 CONST SUMMARY		440859N 1331523E	UR	S086305
	VARFOLOMEYEVKA ARMY BARRACKS AL1		441608N 1332402E	UR	S086721
	CHICHIHAERH ARMS + AMMUNITION PARTS PLANT 127		472003N 1235832E	CH	S086481
	PAICHENG ARMY BARRACKS NORTH AL5		453910N 1225015E	CH	S086582
	ULAAN UUL MILITARY TRNG AREA JOINT TRNG EXER		443051N 1111151E	MG	S086696
	SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL		462048N 1082410E	MG	S086688
	SUMBER SUMA MILITARY BKS AL1 MT-LB SAM TEL		462048N 1082410E	MG	
	ARVAYHEER HELIPORT CURL AN-26/CRATE IL-14		462100N 1025000E	MG	S086698
	ARVAYHEER ARMY BKS AL1 RSV EQUIP ACTIVATED		462200N 1024800E	MG	

TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	MANDALGOVI MILITARY INSTALLATION MRD MBLZTN		454459N 1061443E	MG	S086697
	HSIMIAO ARMY BARRACKS AL1		410120N 1001312E	CH	S086538
	SHUANGCHENG TZU ARMY BARRACKS AL1		410650N 1001650E	CH	S086541
	SHUANGCHENG TZU WEAPONS POSITIONS		420318N 1012212E	CH	S086548
	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 1		421851N 1010654E	CH	S086550
	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 2		415310N 1003327E	CH	S086546
	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 3		415610N 1010140E	CH	S086547
	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 4		414323N 1002727E	CH	S086545
	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 5		414557N 1004208E	CH	S086544
	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 6		420703N 1005405E	CH	S086549
	SHUANGCHENG TZU SPECIAL DEFENSE MOUND 8		402546N 0995046E	CH	S086539
	SHUANGCHENG TZU ARMY BARRACKS AL2		410631N 1002025E	CH	S086542
	SHUANGCHENG TZU DEFENSIVE STRONGPOINT		411613N 1002013E	CH	S086543
	HSIMIAO ARMY BARRACKS AL2		410025N 1001310E	CH	S086540
	OCHINACHI DEFENSIVE STRONGPOINT		422040N 1011400E	CH	S086551
	SHUANGCHENG TZU MILITARY AREA		4130 N 10030 E	CH	S086537
	SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS		410800N 1001500E	CH	S086376
	SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS		410800N 1001500E	CH	
	TUNGLIAO ARMY BARRACKS SW AL7		433520N 1221415E	CH	S086581
	HAICHENG ARMY BARRACKS NNE AL7		405148N 1224519E	CH	S086574
	CHINCHOU MILITARY AREA 2		4107 N 12111 E	CH	S086553
	CHINCHOU MILITARY BARRACKS AL5 + HQ ARTY DIV		410744N 1211059E	CH	S086554

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

WAC/BE	SUBJECT	IDHS CODE	COORD	COUN	ACCN NO.
	PEICHEN ARMY BARRACKS AL1		413607N 1214655E	CH	S086555
	HEISHAN ARMY BARRACKS AL1		414115N 1220640E	CH	S086556
	PANSHIH ARMY BARRACKS SOUTH AL2		425150N 1260250E	CH	S086561
	HAILUNG ARMY BARRACKS WEST AL3		423847N 1254839E	CH	S086560
	PANSHIH MILITARY AREA 1		4256 N 12604 E	CH	S086557
	LIAOYANG MILITARY AREA 1		4116 N 12310 E	CH	S086572
	SSUPING MILITARY AREA 1		4310 N 12420 E	CH	S086579
	SSUPING MILITARY BKS AL1/HQ ANTITANK ARTY DIV		431024N 1242105E	CH	S086580
	LIAOYANG ARMY BARRACKS AL2 + HQ ARTILLERY DIV		411443N 1230827E	CH	S086573
	HUINAN ARMY BARRACKS WEST AL1		424103N 1255943E	CH	S086559
	PANSHIH ARMY BARRACKS SE AL1 + HQ ARTY DIV		425604N 1260424E	CH	S086558
	SSUPING ARMY BARRACKS EAST AL5 TANK TRSHPM		430656N 1244257E	CH	S086471
	DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN		425400N 1322110E	UR	S086302
	DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN		425400N 1322110E	UR	
	VLADIVOSTOK TV TRANSMITTER STATION 1		430704N 1315501E	UR	S086727
	VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER		430657N 1315340E	UR	
	VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER		430657N 1315340E	UR	
	BERAT/STALIN AIRFIELD AIRCRAFT BUNKERS		404625N 0195405E	AL	S086570
	TITOGRAD INTERNATIONAL AIRFIELD AIRCRAFT BKRS		422130N 0191507E	YO	S086642
	OB RVA AIRFIELD AIRCRAFT BUNKERS		434915N 0203509E	YO	S086648
	KALININO AIRFIELD LRA SUPPORT CAPABILITY		410630N 0441600E	UR	S086829

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

TASHKENT AIRFIELD CANDID IL-76 LIBYAN/IRAQI

411846N 0692331E

UR

S086691

ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I

430910N 0762330E

UR

S086837

ALMA ATA COMMAND CONTROL RADCOM FACIL BKR U/I

431211N 0763603E

UR

S086836

HOCHING ARMY BARRACKS AL2 ARMOR DPL NEW

422050N 0862245E

CH

S086693

MARY SAM SUPPORT FACILITY 2

373510N 0615130E

UR

S086713

MARY SAM SUPPORT FACILITY 3 SA-6 ACTIVITY

373500N 0615130E

UR

WONSAN RADIO RELAY STATION R-600

390745N 1272430E

KN

S086475

TALACHIH AIRFIELD FANTAN A F-9 IDENTIFICATION

363740N 1050004E

CH

S086633

LOYANG MOTOR VEHICLE PLANT NORTH HSICHENGLIU

350450N 1122541E

CH

S086860

BISKRA AIRFIELD HIND A MI-24/SHPG CONTS IDENT

344736N 0054417E

AG

S086689

TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C

320455N 0235850E

LY

S086376

TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C

320455N 0235850E

LY

TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C

320455N 0235850E

LY

H-3 AIRFIELD CONSTRUCTION ACTIVITY

325616N 0394444E

IZ

S086672

TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN ACCN NO.

RANGAO ARMY BARRACKS AL1  
 PANGTA ENGINEER BARRACKS AL1  
 KUNGKA MILITARY VEHICLE MAINTENANCE/STGE DPO  
 LASA MILITARY BARRACKS AL4 + HQ TIBET MD  
 LASA ARMY BARRACKS SOUTH AL2  
 KOTA ARMY BARRACKS AL1  
 LINCHIH ARMY BARRACKS AL1  
 CHUEH MU ARMY BARRACKS/DEPOT/SUPPORT AREA  
 CHUEH MU ARMY BARRACKS/DEPOT/SUPPORT AREA  
 LASA ARMY BARRACKS WEST AL5  
 LINCHIH ARMY BARRACKS AL2  
 TSUMUTSUNG ARMY BARRACKS NW + HQ DIVISION  
 DZEM ARMY BARRACKS AL1  
 KUNGPUCHIANGTA ARMY BARRACKS AL1  
 LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7  
 LASA ARMY MOTOR TRANSPORT BARRACKS + STGE AL7  
 OLANG MILITARY BARRACKS AREA  
 MILIN ARMY BARRACKS AL2  
 KANGKO MILITARY BARRACKS AREA  
 DZEM ARMY BARRACKS AL2

YANGPACHING GEOTHERMAL POWER STATION

CHUEHNEIHSI MILITARY BARRACKS AREA  
 JIHKOTSE ARMY BARRACKS AL4  
 CHUANTU MILITARY BARRACKS AREA  
 JIHKOTSE ARMY BARRACKS AL2  
 CHIANGTZU ARMY BARRACKS  
 CHIANGTZU ARMY BARRACKS NW  
 JIHKOTSE MILITARY AREA EAST  
 JIHKOTSE ARMY BARRACKS AL3

294445N 0960650E CH S086583  
 303338N 0970638E CH  
 291647N 0910108E CH  
 293846N 0910740E CH  
 293755N 0910830E CH  
 295133N 0954557E CH  
 292951N 0942727E CH  
 294028N 0942040E CH  
 294028N 0942040E CH  
 293827N 0910141E CH  
 293353N 0942906E CH  
 294543N 0941521E CH  
 294749N 0935803E CH  
 295310N 0931425E CH  
 293912N 0910312E CH  
 293912N 0910312E CH  
 290820N 0934218E CH  
 291120N 0940322E CH  
 291922N 0942330E CH  
 294845N 0935010E CH

300321N 0902939E CH S086492  
 284220N 0893825E CH S086583  
 291900N 0890210E CH  
 282620N 0893530E CH  
 291456N 0885247E CH  
 285500N 0893620E CH  
 285702N 0893130E CH  
 292001N 0885803E CH  
 291540N 0885205E CH

TOP SECRET CHESS RUFF ZARF UMBRA



TOP SECRET CHESS RUFF ZARF UMBRA

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

BANDAR E SHAHPUR PORT FACILITIES ACT DECREASE  
KHORRAMSHAHR PORT FACILITIES DISRUPTIONS302520N 0490450E IR  
302615N 0480910E IR

S086312

SHAIBAH AIRFIELD HIND D MI-24 IDENTIFICATION

302535N 0473842E IZ

S086466

GULF OF SOLLUM ANCHORAGE SOVIET NAVAL UNITS

314700N 0253500E EG

S086630

AL ISKANDARIYAH PORT FACILITIES

311140N 0295255E EG

S086552

KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD  
KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD295246N 1220033E CH  
295246N 1220033E CH

S086370

TAHSIEN NAVAL FACILITIES APPROACHES

2953 N 12157 E CH

S086369

NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD  
NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD  
NANCHANG AIRFRAME + MSL PLANT CR MSL CRT PROD283752N 1155526E CH  
283752N 1155526E CH  
283752N 1155526E CH

S086482

LIENKENGWANG IRBM SITE 4  
LIENKENGWANG IRBM SITE 5  
LIENKENGWANG IRBM SITE 6  
LIENKENGWANG IRBM SITE 8300202N 1173634E CH  
300636N 1173433E CH  
300846N 1173421E CH  
300446N 1173443E CH

S086333

MIENYANG MILITARY BARRACKS + STORAGE AREA  
MIENYANG MILITARY BARRACKS + STORAGE AREA313000N 1044535E CH  
313000N 1044535E CH

S086584

CHENG TU AIRCRAFT ENGINE PLANT 420

303858N 1040653E CH

S086489

TIENWEI MTC SSM

255520N 1024928E CH

S087005

LIUCHOU AIRFIELD BEAGLE IL-28/BAT TU-2 DPL

241638N 1092304E CH

S086464

SHARM ASH SHAYKH PORT FAC SPECIAL-PURPOSE AKL

275110N 0341715E EG

S086670

BANDAR ABBAS PORT FACILITIES

271039N 0561602E IR

S086312

YATUNG MILITARY COMPOUND  
JENCHINGKANG STRONGPOINT 1  
JENCHINGKANG STRONGPOINT 2  
PIPITANG MILITARY STORAGE AREA272808N 0885440E CH  
272608N 0885426E CH  
272548N 0885524E CH  
272710N 0885500E CH

S086583

TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

WAC/BE

SUBJECT

IDHS CODE

COORD

COUN

ACCN NO.

YATUNG MILITARY ACTIVITY

272915N 0885428E CH

25X1

PUNTA MOVIDA NAVAL FACILITY PROB CONST ACT

220315N 0802640W CU S086663

DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP

160233N 1081215E VM S086690

DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP

160233N 1081215E VM

DA NANG AIRFIELD ARMS DELIVERY SOV/SA-3 EQUIP

160233N 1081215E VM

ADEN AMMUNITION STGE + TEST AREA M-1977 MRL

124745N 0450155E YS S086707

ADEN AMMUNITION STGE + TEST AREA M-1977 MRL

124745N 0450155E YS

MBARARA ARMY BARRACKS BATTLE DAMAGE

003430S 0304140E UG S086786

TETE CHINGOZI AIRFIELD COMBAT DAMAGE

160612S 0333820F MZ S086467

TETE CHINGOZI AIRFIELD COMBAT DAMAGE

160612S 0333820E MZ

ONDANGUA AIRFIELD AIRCRAFT INCREASE

175300S 0155800E WA S086695

25X1

FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC  
FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC340420S 0184530E SF S086375  
340420S 0184530E SF

25X1

94  
TOP SECRET CHESS RUFF ZARF UMBRA

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## **PART VI**

### **Listing of Reports by Accession Number**

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

AF PAR 740-78 26 DEC 78 SEC CLASS: 13 MSN: 0005P ACCN: S086272 25X1

## MISSILES, AAM COMPONENTS/HARDWARE

WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 40J	COMIREX NO:
MOSKVA MISSILE PRODUCTION PLANT FILI 23		UR 554530N 0372928E
WAC NO : 0167	BE/OBJ NO:	NPIC NO : - 46-I
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		UR 554547N 0375209E
WAC NO : 0167	BE/OBJ NO:	NPIC NO : - 58-N
IDHS CODE:	EPF CAT : 40E	COMIREX NO:
MOSKVA GUIDED MISSILE + SPACE RSCH CTR REUTOV		UR 554547N 0375209E
WAC NO : 0167	BE/OBJ NO:	NPIC NO : - 58-N
IDHS CODE:	EPF CAT : 40H	COMIREX NO:
FAUSTOVO AEROSPACE R+D FACILITY		UR 552746N 0383143E
WAC NO : 0167	BE/OBJ NO:	NPIC NO : - 58-N
IDHS CODE:	EPF CAT : 40H	COMIREX NO:

25X1  
25X125X1  
25X125X1  
25X1

THIS REPORT PRESENTS THE RESULTS OF A SEARCH FOR THE POSSIBLE EXISTENCE OF AIR-TO-AIR MISSILES/COMPONENTS/HARDWARE WITHIN FAUSTOVO AEROSPACE R+D FACILITY, MOSKVA GUIDED MISSILE AND SPACE RESEARCH CENTER REUTOV, AND MOSKVA MISSILE PRODUCTION PLANT FILI 23. THESE FACILITIES WERE REVIEWED EVERY SIX MONTHS. INCLUDED IN THE REPORT IS A CHART WHICH SHOWS KNOWN AIR-TO-AIR MISSILE SIZES/SHIPPING CRATES FOR SIZE REFERENCE. ALSO INCLUDED ARE UNIDENTIFIED AIR-TO-AIR MISSILE SIZES/SHIPPING CRATES.\*

25X1

AF PAR 735-78 26 DEC 78 SEC CLASS: 13 MSN: 0016P ACCN: S086273 25X1

## ELECTRONICS, ICBM TYPE 3H GUIDANCE RLTD FACS

WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 25C	COMIREX NO:

UR

THIS REPORT PROVIDES AN UPDATED ANALYSIS OF THE GUIDANCE RELATED FACILITIES AT YEDROVO ICBM LAUNCH GROUPS I AND L (20 SITES). IT FURTHER PROVIDES ANALYSIS OF THE GUIDANCE RELATED FACILITIES PRIOR TO AND AFTER RECONFIGURATION OF THE SITES IN YEDROVO ICBM LAUNCH GROUP J (10 SITES), KOSTROMA ICBM LAUNCH GROUP I (10 SITES), AND TYURATAM ICBM LAUNCH TEST SITES V1, V2, V3, V4, AND V5.

THE REPORT SUPERSEDES PAR 76-697, AND INCORPORATES INFORMATION FROM PAR 77-692. A LISTING OF THE AZIMUTHS AND DISTANCES (IN METERS) OF THE MARKERS FROM THE CENTER OF THE SILO FOLLOWS EACH LAUNCH SITE DESCRIPTION, WHERE APPLICABLE.\*

AF ENDR E6547-78 25 OCT 78 SEC CLASS: 13 MSN: 0001P ACCN: S086283 25X1

## TYURATAM MTC SPACE SITE U1/2

WAC NO : 0246	BE/OBJ NO:	UR 460214N 0630212E
		NPIC NO : - 6-Y7

25X1

95  
TOP SECRET CHESS RUFF ZARF UMBRA25X1  
25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

IDHS CODE:

EPF CAT : 40H

COMIREX NO:

25X1

THIS DRAWING SUPPLEMENTS PARS 78-712 AND 74-606.\*

AF ENDR D6554-1-78 15 JAN 79 SEC CLASS: 13 MSN: 0001P

ACCN: S086284 25X1

MISSILES, SS-11 PROPELLANT TRANSFER FAC MODIF

UR

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 40A

COMIREX NO:

25X1

AF PAR 712-78 20 DEC 78 SEC CLASS: 13 MSN: 0015P

ACCN: S086300 25X1

TYURATAM MTC SPACE SITE U1/2

UR 460214N 0630212E

WAC NO : 0246

BE/OBJ NO:

NPIC NO : - 6-Y7

IDHS CODE:

EPF CAT : 40H

COMIREX NO:

25X1

25X1

THIS REPORT PROVIDES AN UPDATED ANALYSIS OF TYURATAM MISSILE TEST CENTER LAUNCH FACILITY U1 AND U2. IT INCLUDES A DESCRIPTION OF NEW CONSTRUCTION, A LISTING OF RECURRING PRELAUNCH AND POSTLAUNCH ACTIVITIES, AND A FACILITIES COMPARISON TO LAUNCH SITE G3 AND G4.

ADDITIONAL REFERENCES INCLUDE FTD DRAWINGS 78E6547, 78E6548, 74D3508, 78E6545, 69C4538, 74E6511, 74D4514, 74D3505, 77E1516, PARS 74-606 AND 77-659, AND BIIR RFB22/0018/75.\*

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

25X1

CIA INFR IS10015K-79 29 JAN 79 SEC CLASS: 13 MSN: 0006P ACCN: 5086302 25X1

DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN UR 425400N 1322110E  
WAC NO : 0291 BE/OBJ NO: NPIC NO : - 4-C  
IDHS CODE: EPF CAT : 75A COMIREX NO: 25X1  
DUNAY SUBMARINE BASE + SHIP REPAIR YARD EXPSN UR 425400N 1322110E 25X1  
WAC NO : 0291 BE/OBJ NO: NPIC NO : - 4-C 25X1  
IDHS CODE: EPF CAT : 75E COMIREX NO: 25X1

DUNAY SUBMARINE BASE AND SHIP REPAIR YARD RAZBOYNIK BAY -- A SMALL PACIFIC FLEET REPAIR BASE WHICH HAS BEEN INVOLVED IN THE REFITTING AND REFUELING OF NUCLEAR-POWERED SUBMARINES -- IS CURRENTLY UNDERGOING MAJOR EXPANSION THAT WILL PROBABLY PROVIDE IT WITH THE CAPABILITY TO PERFORM COMPLETE SUBMARINE OVERHAULS. IF THIS EXPANSION PROCEEDS ACCORDING TO OIA'S EXPECTATIONS, RAZBOYNIK BAY WILL BECOME THE ONLY PACIFIC FLEET REPAIR FACILITY WHICH CAN OVERHAUL D-II AND D-III-CLASS NUCLEAR-POWERED BALLISTIC MISSILE SUBMARINES (SSBNs).

EXPANSION OF FACILITIES AT RAZBOYNIK BAY INCLUDES: CONSTRUCTION OF A LARGE SHOP/ENGINEERING BUILDING WHICH IS ABOUT 50 PERCENT COMPLETE; EXTENSIVE EXCAVATION ACTIVITY IN PREPARATION FOR THE POSSIBLE CONSTRUCTION OF AN ON-LAND, COVERED REPAIR HALL; DREDGING OF A POSSIBLE SUBMERGING TRENCH FOR A FLOATING DRYDOCK; THE BASING AT RAZBOYNIK BAY OF A LARGE, JAPANESE-BUILT FLOATING DRYDOCK; AND THE CONSTRUCTION OF NEW APARTMENTS, A SUBSTATION, AND A RAIL SPUR TO SERVE THE FACILITY.

25X1

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

25X1

CIA INFR IS10018J-79 06 FEB 79 SEC CLASS: 25AX MSN: 0025P ACCN: 5086305 25X1

MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY UR 555544N 0373027E  
WAC NO : 0167 BE/OBJ NO: NPIC NO : - 58-J  
IDHS CODE: EPF CAT : 40E COMIREX NO:  
MOSKVA GUIDED MSL + A/C PLT 464 CONST SUMMARY UR 555544N 0373027E  
WAC NO : 0167 BE/OBJ NO: NPIC NO : - 58-J  
IDHS CODE: EPF CAT : 05G COMIREX NO:  
MOSKVA GUIDED MISSILE PLANT 41 CONST SUMMARY UR 554939N 0373023E  
WAC NO : 0167 BE/OBJ NO: NPIC NO : - 46-L1  
IDHS CODE: EPF CAT : 40E COMIREX NO:  
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY UR 583834N 0493709E  
WAC NO : 0155 BE/OBJ NO: NPIC NO : - 5-N1  
IDHS CODE: EPF CAT : 40E COMIREX NO:  
KIROV MISSILE + A/C CMPNTS PLT CONST SUMMARY UR 583834N 0493709E  
WAC NO : 0155 BE/OBJ NO: NPIC NO : - 5-N1  
IDHS CODE: EPF CAT : 05G COMIREX NO:  
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY UR 562208N 0411934E  
WAC NO : 0154 BE/OBJ NO: NPIC NO : - 30-A  
IDHS CODE: EPF CAT : 40E COMIREX NO:  
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY UR 562208N 0411934E  
WAC NO : 0154 BE/OBJ NO: NPIC NO : - 30-A  
IDHS CODE: EPF CAT : 30C COMIREX NO:  
KOVROV GUIDED MSL/MACH/ARMS PLT CONST SUMMARY UR 562208N 0411934E

25X1  
25X125X1  
25X125X1  
25X125X1  
25X125X1  
25X125X1  
25X125X1  
25X25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

WAC NO : 0154	BE/OBJ NO: [ ]	NPIC NO : - 30-A
IDHS CODE: [ ]	EPF CAT : 35G	COMIREX NO: [ ]
SVERDLOVSK GUIDED MISSILE PLT 8 CONST SUMMARY		UR 565213N 0603707E
WAC NO : 0156	BE/OBJ NO: [ ]	NPIC NO : - 26-C
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]
LENINGRAD GUIDED MSL PLANT 458 CONST SUMMARY		UR 595934N 0301721E
WAC NO : 0153	BE/OBJ NO: [ ]	NPIC NO : - 36-U1
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]
VOTKINSK MISSILE ASBLY/CHECKOUT CONST SUMMARY		UR 570224N 0540830E
WAC NO : 0155	BE/OBJ NO: [ ]	NPIC NO : - 13-F
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY		UR 570242N 0535903E
WAC NO : 0155	BE/OBJ NO: [ ]	NPIC NO : - 13-B
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]
VOTKINSK MISSILE/MACH/STEEL PLT CONST SUMMARY		UR 570242N 0535903E
WAC NO : 0155	BE/OBJ NO: [ ]	NPIC NO : - 13-B
IDHS CODE: [ ]	EPF CAT : 30C	COMIREX NO: [ ]
KRASNOYARSK ARMS PLT VOROSHILOV CONST SUMMARY		UR 560054N 0925913E
WAC NO : 0159	BE/OBJ NO: [ ]	NPIC NO : - 7-C
IDHS CODE: [ ]	EPF CAT : 35G	COMIREX NO: [ ]
ZLATOUST ARMAMENT PLANT 66 CONST SUMMARY		UR 550617N 0594223E
WAC NO : 0164	BE/OBJ NO: [ ]	NPIC NO : - 22-F
IDHS CODE: [ ]	EPF CAT : 35G	COMIREX NO: [ ]
ARSENYEV AIRFRAME PLANT 116 CONST SUMMARY		UR 440859N 1331523E
WAC NO : 0282	BE/OBJ NO: [ ]	NPIC NO : - 44
IDHS CODE: [ ]	EPF CAT : 05G	COMIREX NO: [ ]
IVANKOVSKIY GUIDED MISSILE PLT CONST SUMMARY		UR 564521N 0370700E
WAC NO : 0154	BE/OBJ NO: [ ]	NPIC NO : - 1A-A
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]
ORENBURG GUIDED MISSILE PLT 47 CONST SUMMARY		UR 514818N 0550802E
WAC NO : 0236	BE/OBJ NO: [ ]	NPIC NO : - 2-B
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]
OMSK AIRFRAME PLANT 166 CONSTRUCTION SUMMARY		UR 545759N 0732748E
WAC NO : 0163	BE/OBJ NO: [ ]	NPIC NO : - 5-A
IDHS CODE: [ ]	EPF CAT : 05G	COMIREX NO: [ ]
MOSKVA MISSILE PROD PLT FILI 23 CONST SUMMARY		UR 554530N 0372928E
WAC NO : 0167	BE/OBJ NO: [ ]	NPIC NO : - 46-I
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]
DNENROPETROVSK MISSILE DPC CONST SUMMARY		UR 482601N 0345828E
WAC NO : 0234	BE/OBJ NO: [ ]	NPIC NO : - 7-C
IDHS CODE: [ ]	EPF CAT : 40E	COMIREX NO: [ ]

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TOP SECRET CHESS RUFF ZARE UMBRA



TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

MISSILE INDUSTRY INVOLVED IN THE SERIES PRODUCTION OF SLBMS, SSMS, AND CRUISE MISSILES. ONE OF THE ORIGINAL 11 PLANTS, DNEPROPETROVSK PLANT 192, IS EXCLUDED FROM THIS MEMORANDUM BECAUSE IT IS NOT INVOLVED IN MISSILE AIRFRAME PRODUCTION AND, SIX ADDITIONAL PLANTS, ALL INVOLVED WITH SAM AIRFRAME PRODUCTION, HAVE BEEN ADDED. A BRIEF DESCRIPTION OF THE PLANT AND ITS REPORTED PRODUCTION AND A TABLE LISTING THE CONSTRUCTION CHRONOLOGY OF MAJOR FABRICATION/ASSEMBLY BUILDINGS SINCE 1963 ARE INCLUDED FOR EACH PLANT.

25X1

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CIA INFR IS10009J-79 25 JAN 79 SEC CLASS: 24 MSN: 0003P ACCN: S086311 25X1

MILITARY, GROUND FORCES WESTERN MD

EG

WAC NO : BE/OBJ NO: NPIC NO : -  
IDHS CODE: EPF CAT : 35 COMIREX NO:

ANALYSIS OF PHOTOGRAPHY, OF EGYPTIAN MILITARY UNITS IN THE WESTERN  
MILITARY DISTRICT REVEALED ADDITIONAL MILITARY UNITS NOT INCLUDED IN A PREVIOUS OIA STUDY,

25X1

25X1

CIA INFR IS10011K-79 29 JAN 79 SEC CLASS: 13 MSN: 0003P ACCN: S086312 25X1

TRANSPORTATION, ACTIVITY DISRUPTION SOV BDR

IR

WAC NO : BE/OBJ NO: NPIC NO : -  
IDHS CODE: EPF CAT : 85 COMIREX NO:  
BANDAR ABBAS PORT FACILITIES IR 271039N 0561602E  
WAC NO : 0548 BE/OBJ NO: NPIC NO : - 1  
IDHS CODE: EPF CAT : 75I COMIREX NO:  
BANDAR E SHAHPUR PORT FACILITIES ACT DECREASE IR 302520N 0490450E

25X1

225X1

100

TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

WAC NO : 0444	BE/OBJ NO:	NPIC NO : - 7-B
IDHS CODE:	EPF CAT : 75I	COMIREX NO:
ASTARA RTP ACTIVITY INCREASE		IR 3826 N 04852 E
WAC NO : 0339	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 85A	COMIREX NO:
ASTARA RTP ACTIVITY INCREASE		IR 3826 N 04852 E
WAC NO : 0339	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 85B	COMIREX NO:
JOLFA RAIL TRANSSHIPMENT POINT ACT DECREASE		IR 3857 N 04538 E
WAC NO : 0340	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 85B	COMIREX NO:
KHORRAMSHAHR PORT FACILITIES DISRUPTIONS		IR 302615N 0480910E
WAC NO : 0444	BE/OBJ NO:	NPIC NO : - 9-B
IDHS CODE:	EPF CAT : 75I	COMIREX NO:

TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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NPIC	MEMO		01 FEB 79		SEC CLASS: 13	MSN:	0001P	ACCN: S086354	25X1
	SOKHONDO AIRFIELD								
	WAC NO	:	0201	BE/OBJ NO:		UR	515040N 1122850E		25X1
	IDHS CODE:			EPF CAT	:	NPIC NO	:	- 14	25X1
						COMIREX NO:			
DIA	NBRG	NDA06-5139-77	20 FEB 79		SEC CLASS: 056	MSN:	0001P	ACCN: S086369	
	TAHSIEN NAVAL FACILITIES APPROACHES								
	WAC NO	:	0492	BE/OBJ NO:		CH	2953 N 12157 E		25X1
	IDHS CODE:			EPF CAT	:	NPIC NO	:	-	25X1
						COMIREX NO:			
DIA	NBRG	NDA06-5140-77	20 FEB 79		SEC CLASS: 056	MSN:	0001P	ACCN: S086370	
	KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD								
	WAC NO	:	0492	BE/OBJ NO:		CH	295246N 1220033E		25X1
	IDHS CODE:			EPF CAT	:	NPIC NO	:	- 44-A	25X1
						COMIREX NO:			
	KUANCHUANGTSUN MOTOR TORPEDO BOAT BASE/SHPYD								
	WAC NO	:	0492	BE/OBJ NO:		CH	295246N 1220033E		25X1
	IDHS CODE:			EPF CAT	:	NPIC NO	:	- 44-A	25X1
						COMIREX NO:			

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102  
TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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CIA IRP IS10013K-79 JAN 79 SEC CLASS: 14 MSN: 0009P ACCN: S086375 25X1

FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC SF 340420S 0184530E  
WAC NO : 1422 BE/OBJ NO: NPIC NO : -

25X1

104  
TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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IDHS CODE: [ ] EPF CAT : 40E COMIREX NO: [ ]  
FIRGROVE ROCKET/EXPLOSIVES/PROPELLANT R+D FAC SF 340420S 0184530E  
WAC NO : 1422 BE/OBJ NO: [ ] NPIC NO : -  
IDHS CODE: [ ] EPF CAT : 35G COMIREX NO: [ ]

25X1

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CIA NOTE ISSN0002J-79 12 FEB 79 [ ] SEC CLASS: 25 X MSN: 0020P ACCN: S086376

25X1

TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C LY 320455N 0235850E  
WAC NO : 0424 BE/OBJ NO: [ ] NPIC NO : - 6  
IDHS CODE: [ ] EPF CAT : 75B COMIREX NO: [ ]  
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C LY 320455N 0235850E  
WAC NO : 0424 BE/OBJ NO: [ ] NPIC NO : - 6  
IDHS CODE: [ ] EPF CAT : 75I COMIREX NO: [ ]  
TUBRUQ PORT FACILITIES NAVAL SHIP RPR FAC U/C LY 320455N 0235850E  
WAC NO : 0424 BE/OBJ NO: [ ] NPIC NO : - 6  
IDHS CODE: [ ] EPF CAT : 75E COMIREX NO: [ ]  
MILITARY, ARMS + TECH ASSISTANCE NORTH KOREAN LY  
WAC NO : [ ] BE/OBJ NO: [ ] NPIC NO : -  
IDHS CODE: [ ] EPF CAT : 35 COMIREX NO: [ ]  
GOLERKANY CIVIL DEFENSE GOVERNMENT RELOC SITE UR 4719 N 02905 E  
WAC NO : 0250 BE/OBJ NO: [ ] NPIC NO : -  
IDHS CODE: [ ] EPF CAT : 10A COMIREX NO: [ ]

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INDUSTRY, PETROLEUM REFINING DEVELOPMENTS UR  
WAC NO : [ ] BE/OBJ NO: [ ] NPIC NO : -  
IDHS CODE: [ ] EPF CAT : 30B COMIREX NO: [ ]

25X1

MILITARY, MOTORIZED RIFLE BNS BTR-60PB COUNTS UR  
WAC NO : [ ] BE/OBJ NO: [ ] NPIC NO : -  
IDHS CODE: [ ] EPF CAT : 35E COMIREX NO: [ ]

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TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

SEVERODVINSK SHIPYARD 402 LAUNCH BASIN OPRNL UR 643438N 0394832E  
WAC NO : 0092 BE/OBJ NO: NPIC NO : - 7-A  
IDHS CODE: EPF CAT : 75E COMIREX NO:  
SHIPS, V-3 CLASS SSN UR  
WAC NO : BE/OBJ NO: NPIC NO : -  
IDHS CODE: EPF CAT : 75D COMIREX NO:  
SARY SHAGAN MTC COMPLEX E SA-X-10 TRAINING UR 453745N 0723500E  
WAC NO : 0245 BE/OBJ NO: NPIC NO : - 40-B  
IDHS CODE: EPF CAT : 40C COMIREX NO:  
SARY SHAGAN MTC COMPLEX B ABM-1B SILOS UR 460106N 0722804E  
WAC NO : 0245 BE/OBJ NO: NPIC NO : - 50-B  
IDHS CODE: EPF CAT : 40D COMIREX NO:  
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS CH 410800N 1001500E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 1  
IDHS CODE: EPF CAT : 40A COMIREX NO:  
SHUANGCHENG TZU MTC ICBM/SAT LAUNCH INDICATORS CH 410800N 1001500E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 1  
IDHS CODE: EPF CAT : 40H COMIREX NO:

CIA IRP IS10008J-79 FEB 79 SEC CLASS: 25B MSN: 0023P ACCN: S086444  
MILITARY, SIGNAL REGIMENTS DPL/ORG/EQUIPMENT UR  
WAC NO : BE/OBJ NO: NPIC NO : -  
IDHS CODE: EPF CAT : 35 COMIREX NO:

106  
TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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AF ENDR D1001-79 18 JAN 79 SEC CLASS: 05 MSN: 0001P ACCN: S086473

MISSILES, AS-4 + VARIANT  
WAC NO :  
IDHS CODE:

BE/OBJ NO:  
EPF CAT : 40J

UR  
NPIC NO : -  
COMIREX NO:

110  
TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

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TOP SECRET CHESS RUFF ZARF UMBRA

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THIS DRAWING SUPERSEDES DRAWING 78C1024.\*

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TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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NPIC SR

SR011-79

MAR 79

SEC CLASS: 05B MSN:

0006P

ACCN: S086484

113  
TOP SECRET CHESS RUFF ZARF UMBRA

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[REDACTED] TOP SECRET CHESS RUFF ZARF UMBRA [REDACTED]

25X1

TRANSPORTATION, RAIL TRANSLOADING FACILS MIL	PL	
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 85B	COMIREX NO:
MILITARY, RAIL TRANSLOADING FACILITIES	PL	
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 35	COMIREX NO:

THIS REPORT IS A TABULATION OF THE 23 MILITARY TRANSLOADING FACILITIES IN POLAND [REDACTED]  
[REDACTED] THESE FACILITIES ARE WITHIN A FEW MILES OF THE POLISH-SOVIET BORDER. THEY ARE  
GENERALLY ISOLATED, SITUATED ON MAJOR EAST/WEST RAIL LINES, AND APPEAR TO SERVE AS TRANSFER POINTS BETWEEN  
WIDE AND STANDARD GAUGE RALS.

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114  
TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

NPIC BIIR RCA09-0005-79 MAR 79 SEC CLASS: 25B MSN: 0024P ACCN: 5086488 25X1

VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR 570242N 0535903E	
WAC NO : 0155	NPIC NO : - 13-B	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
VOTKINSK MISSILE/MACH/STEEL PLANT 235 SSM ACT	UR 570242N 0535903E	
WAC NO : 0155	NPIC NO : - 13-B	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
VOTKINSK MISSILE ASBLY/CHECKOUT FACIL SSM ACT	UR 570224N 0540830E	
WAC NO : 0155	NPIC NO : - 13-E	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
ORENBURG GUIDED MISSILE PLANT 47 SSM ACTIVITY	UR 514818N 0550802E	
WAC NO : 0236	NPIC NO : - 2-B	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR 555130N 0373630E	
WAC NO : 0167	NPIC NO : - 45-B2	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
MOSKVA SCIENTIFIC RSCH INST MACH BLDG SSM ACT	UR 555130N 0373630E	
WAC NO : 0167	NPIC NO : - 45-B2	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR 554547N 0375209E	
WAC NO : 0167	NPIC NO : - 58-N	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
MOSKVA GUIDED MISSILE/SPACE RSCH CTR SSM ACT	UR 554547N 0375209E	
WAC NO : 0167	NPIC NO : - 58-N	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
MOSKVA MISSILE PRODUCTION PLT FILI 23 SSM ACT	UR 554530N 0372928E	
WAC NO : 0167	NPIC NO : - 46-I	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
FAUSTOVO AEROSPACE R+D FACILITY SSM ACTIVITY	UR 552746N 0383143E	
WAC NO : 0167	NPIC NO : - 50-B	25X1
IDHS CODE: [ ]	COMIREX NO: [ ]	25X1
DNEPROPETROVSK MISSILE DPC SSM ACTIVITY	UR 482601N 0345828E	

TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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WAC NO : 0234 BE/OBJ NO: NPIC NO : - 7-C  
IDHS CODE: EPF CAT : 40E COMIREX NO:  
MISSILES, SSM DEVELOPMENTS R+D/PROD INSTLS UR  
WAC NO : BE/OBJ NO: NPIC NO : -  
IDHS CODE: EPF CAT : 40E COMIREX NO:

25X1  
25X1

THIS REPORT DESCRIBES THE RECENT DEVELOPMENTS AT EIGHT SOVIET STRATEGIC MISSILE RESEARCH, DEVELOPMENT, AND PRODUCTION FACILITIES INVOLVED IN SSM ACTIVITY. CURRENT PRODUCTION PROGRAMS AT THESE INSTALLATIONS INCLUDE THOSE FOR THE SS-11, SS-16/-20, SS-17, SS-18, SS-19, SS-N-7, SS-N-9, AND SS-N-3/-12 SYSTEMS. THERE IS EVIDENCE OF NEW AND MODIFIED SYSTEMS INCLUDING AT LEAST FOUR FOLLOW-ON/NEW STRATEGIC SSM SYSTEMS AND AT LEAST FIVE NEW OR MODIFIED TACTICAL MISSILE SYSTEMS.

25X1

25X1

CIA INFR IS10048K-79 12 MAR 79 SEC CLASS: 13 MSN: 0004P

ACCN: S086491 25X1

MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER YE  
WAC NO : BE/OBJ NO: NPIC NO : -  
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMO SUMMARIZES MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMEN ARAB REPUBLIC (YAR) SPECIFICALLY ANALYZED IS THE ACTIVITY WEST OF QATABAH IN THE YAR TO DETERMINE THE EXTENT OF THE SOUTH YEMENI SUPPORTED OFFENSIVE IN THIS AREA.\*

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116  
TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

CIA INFR IS10042K-79 08 MAR 79 SEC CLASS: 13 MSN: 0003P ACCN: S086492

25X1

YANGPACHING GEOTHERMAL POWER STATION

WAC NO : 0437

BE/OBJ NO:

CH 300321N 0902939E

NPIC NO : - 26-A

IDHS CODE:

EPF CAT : 30E

COMIREX NO:

25X1

25X1

THIS MEMO PROVIDES INFORMATION ON YANGBAJING (YANG-PA-CHING) GEOTHERMAL POWER STATION, CHINA. THE

25X1

25X1

CIA INFR IS10021K-79 08 FEB 79 SEC CLASS: 13 MSN: 0004P ACCN: S086494

25X1

DEPUTATSKIY TROPOSCATTER/MICROWAVE TOWER POSS

WAC NO : 0067

BE/OBJ NO:

UR 6912 N 13947 E

NPIC NO : -

IDHS CODE:

EPF CAT : 25D

COMIREX NO:

25X1

KAZACHYE U/I CONSTRUCTION

WAC NO : 0068

BE/OBJ NO:

UR 7044 N 13610 E

NPIC NO : -

IDHS CODE:

EPF CAT : 10B

COMIREX NO:

25X1

UST KUYGA MICROWAVE TOWER SITE POSS U/C

WAC NO : 0068

BE/OBJ NO:

UR 7001 N 13531 E

NPIC NO : -

IDHS CODE:

EPF CAT : 25D

COMIREX NO:

25X1

KULAR COMMUNICATIONS FACILITY SEARCH

WAC NO : 0068

BE/OBJ NO:

UR 7038 N 13420 E

NPIC NO : -

IDHS CODE:

EPF CAT : 25D

COMIREX NO:

TIKSI TROPOSCATTER STATION 19 METER DISH ANTS

WAC NO : 0068

BE/OBJ NO:

UR 713806N 1284509E

NPIC NO : - 6-B

IDHS CODE:

EPF CAT : 25D

COMIREX NO:

25X1

25X1

25X1



TOP SECRET CHESS RUFF ZARF UMBRA

25X1

THE SOVIETS ARE KNOWN TO HAVE NEGOTIATED WITH THE JAPANESE FOR THE PURCHASE OF TROPOSCATTER AND MICROWAVE COMMUNICATIONS FACILITIES TO BE INSTALLED DURING 1976 IN THE REMOTE TIKSI-DEPUTATSKIY AREA OF NORTHERN SIBERIA. THE TOWNS AND SURROUNDING AREAS OF TIKSI, KULAR, KAZACHYE, UST KUYGA, AND DEPUTATSKIY WERE SEARCHED FOR EVIDENCE OF NEW COMMUNICATIONS FACILITIES AND NEW ECONOMIC OR MILITARY ACTIVITY. A PREVIOUS OIA REPORT NOTED LITTLE NEW ACTIVITY IN ANY OF THESE FIVE TOWNS AS OF MAY 1976, BUT NEW CONSTRUCTION HAS SINCE OCCURRED AT OR NEAR ALL FIVE TOWNS. TWO TROPOSCATTER DISHES WERE ADDED TO AN EXSISTING TROPOSCATTER SITE AT TIKSI AND A TOWER WAS CONSTRUCTED ON A MOUNTAIN NEAR DEPUTATSKIY. SOME NEW CONSTRUCTION, MOSTLY BUILDINGS, WAS OBSERVED AT KAZACHYE, KULAR, AND UST-KUYGA BUT NOTHING SUGGESTIVE OF COMMUNICATIONS FACILITIES WAS OBSERVED EXCEPT FOR AN AREA OF EXCAVATION ON A HIGH BLUFF OVERLOOKING UST-KUYGA. THE LATTER COULD POSSIBLY BE THE SITE FOR A MICROWAVE TOWER.

25X1

CIA INFR IS10036K-79 01 MAR 79 SEC CLASS: 13 MSN: 0003P ACCN: S086495 25X1

ASTRAKHAN GAS FIELD DEVELOPMENT

UR 4621 N 04803 E

WAC NO : 0248

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 30A

COMIREX NO:

25X1

A 70,000-SQUARE-KILOMETER AREA NORTH AND WEST OF ASTRAKHAN WAS SEARCHED TO DETERMINE THE EXTENT OF DEVELOPMENT OF THE ASTRAKHAN GASFIELD, A NEW FIELD THE SOVIETS ARE BEGINNING TO DEVELOP. THE ACTIVITY OBSERVED CONSISTS OF EXPLORATORY DRILLING COVERING AN ELONGATED AREA OF ABOUT 19,500 SQUARE KILOMETERS TRENDING 290 KM EAST AND WEST. THE HEAVIEST CONCENTRATION OF EXPLORATORY DRILLING OPERATIONS WAS IN A 3,000-SQUARE-KILOMETER AREA CENTERED ABOUT 60 KM NORTHWEST OF ASTRAKHAN.

25X1

25X1

25X1

CIA INFR IS10031J-79 26 FEB 79 SEC CLASS: 24 MSN: 0005P ACCN: S086497 25X1

MILITARY, ARMORED FORCES REORGANIZATION

IZ

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 35

COMIREX NO:

25X1

118  
TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

CIA INFR IS10035J-79 28 FEB 79 [ ] SEC CLASS: 25 MSN: 0007P ACCN: S086498 25X1

ELECTRONICS, RADAR NETWORK COASTAL/NW BORDER AG  
 WAC NO : BE/OBJ NO: NPIC NO : -  
 IDHS CODE: EPF CAT : 25A COMIREX NO:

THIS MEMO PROVIDES THE DISPOSITION OF ALGERIA'S EARLY WARNING, GROUND CONTROL INTERCEPT, AND HEIGHT FINDING RADAR NETWORK ALONG THE COAST AND THE WESTERN BORDER WITH MOROCCO, WESTERN SAHARA, AND PART OF MAURITANIA. ALSO INCLUDED ARE THE RADARS ASSOCIATED WITH ALGERIA'S SA-2 AND SA-6 SURFACE-TO-AIR (SAM) UNITS.

WITH DOCUMENTS LISTING THE ELECTRONIC ORDER OF BATTLE FOR ALGERIA.\*

CORRELATED

25X1

CIA INFR IS10037K-79 07 MAR 79 [ ] SEC CLASS: 13 MSN: 0003P ACCN: S086499 25X1

MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER YE  
 WAC NO : BE/OBJ NO: NPIC NO : -  
 IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM SUMMARIZES OIA'S ANALYSIS OF MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMEN ARAB REPUBLIC (YAR). SPECIFICALLY, THE ACTIVITY IN THE VICINITY OF THE MAJOR YAR BORDER TOWNS OF AL BAYDAH AND QATABAH IS ADDRESSED. THESE TWO BORDER TOWNS HAVE BEEN THE SCENE OF RECENT HEAVY FIGHTING, BETWEEN THE YAR ARMED FORCES AND NATIONAL DEMOCRATIC FRONT (NDF) FORCES OPERATING FROM THE PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN (PDYR).\*

25X1

25X1

CIA INFR IS10039K-79 06 MAR 79 [ ] SEC CLASS: 13 MSN: 0003P ACCN: S086500 25X1

MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER YE  
 WAC NO : BE/OBJ NO: NPIC NO : -  
 IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM SUMMARIZES OIA'S ANALYSIS OF MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMEN ARAB REPUBLIC (YAR). OIA HAS ANALYZED THE ACTIVITY IN THE VICINITY OF THE YAR BORDER TOWNS OF QATABAH AND AL BAYDAH TO DETERMINE THE EXTENT OF PENETRATION OF THE SOUTH YEMEN (PDYR) SUPPORTED OFFENSIVE IN THESE AREAS.

25X1

CIA INFR IS10045K-79 09 MAR 79 [ ] SEC CLASS: 13 MSN: 0003P ACCN: S086501 25X1

MILITARY, ACTIVITY SUMMARY SOUTHERN BORDER YE  
 WAC NO : BE/OBJ NO: NPIC NO : -  
 IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM SUMMARIZES OIA'S ANALYSIS OF MILITARY ACTIVITY IN THE SOUTHERN BORDER AREA OF THE YEMEN

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

ARAB REPUBLIC (YAR) BASED ON SPECIFICALLY, OIA HAS ANALYZED THE  
ACTIVITY IN THE YAR NORTH OF QATABAH AND SOUTHEAST OF YARIM TO DETERMINE THE DISPOSITION OF SOUTH YEMEN  
(PDY) SUPPORTED FORCES AND YAR FORCES IN THIS AREA.

25X1

25X1

CIA INFR IS10024K-79 12 FEB 79

SEC CLASS: 14 X MSN:

0006P

ACCN: S086503

25X1

PELINDABA STONE QUARRY EXPLOSIONS

SF 2549 N 02755 E

WAC NO : 1300

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 30A

COMIREX NO:

25X1

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

25X1

CIA INFR IS10034J-79 26 FEB 79 SEC CLASS: 24 MSN: 0003P ACCN: S086505 25X1

PETROPAVLOVSK/YELIZOVO AIRFIELD COOT MODIFIED UR 531017N 1582711E  
WAC NO : 0194 BE/OBJ NO: NPIC NO : - 11-A  
IDHS CODE: EPF CAT : 05A COMIREX NO:

25X1  
25X1  
25X1

CIA INFR IS10038K-79 06 MAR 79 SEC CLASS: 13 MSN: 0003P ACCN: S086506 25X1

MAKAT ASM IMPACT AREA B RADAR TGTS/CRTRS NEW UR 480600N 0534400E  
WAC NO : 0236 BE/OBJ NO: NPIC NO : - 25-A  
IDHS CODE: EPF CAT : 25C COMIREX NO:

25X1  
25X1

TARGET AREA B IN THE MAKAT AIR-TO-SURFACE (ASM) IMPACT AREA HAS RECENTLY BEEN EXPANDED TO INCLUDE TWO ADDITIONAL RADARS. THIS BRINGS TO FOUR THE NUMBER OF RADAR TARGETS IN THIS AREA. IN ADDITION, TWO IMPACT CRATERS HAVE RECENTLY APPEARED NEAR TWO OF THESE RADAR SITES.\*

DIA NBRG NDA07-5156-78 19 MAR 79 SEC CLASS: 056 MSN: 0001P ACCN: S086537

SHUANGCHENG TZO MILITARY AREA CH 4130 N 10030 E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : -  
IDHS CODE: EPF CAT : 35 COMIREX NO:

25X1  
25X1

DIA NBRG NDA07-5157-78 19 MAR 79 SEC CLASS: 056 MSN: 0001P ACCN: S086538

HSIMIAO ARMY BARRACKS AL1 CH 410120N 1001312E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 1-B2  
IDHS CODE: EPF CAT : 35A COMIREX NO:

25X1  
25X1

DIA NBRG NDA07-5158-78 19 MAR 79 SEC CLASS: 056 MSN: 0001P ACCN: S086539

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X15X1

SHUANGCHENG TZU SPECIAL DEFENSE MOUND A				CH 402546N 0995046E	
WAC NO : 0287 BE/OBJ NO: [ ]				NPIC NO : - 2-D	25X1
IDHS CODE: [ ] EPF CAT : 35				COMIREX NO: [ ]	25X1
DIA	NBRG	NDA07-5159-78	19 MAR 79	SEC CLASS: 05G MSN: 0001P	ACCN: S086540
HSIMIAO ARMY BARRACKS AL2				CH 410025N 1001310E	
WAC NO : 0287 BE/OBJ NO: [ ]				NPIC NO : -	25X1
IDHS CODE: [ ] EPF CAT : 35A				COMIREX NO:	25X1
DIA	NBRG	NDA07-5160-78	19 MAR 79	SEC CLASS: 05G MSN: 0001P	ACCN: S086541
SHUANGCHENG TZU ARMY BARRACKS AL1				CH 410650N 1001650E	
WAC NO : 0287 BE/OBJ NO: [ ]				NPIC NO : - 1-H1	25X1
IDHS CODE: [ ] EPF CAT : 35A				COMIREX NO:	25X1
DIA	NBRG	NDA07-5161-78	19 MAR 79	SEC CLASS: 05G MSN: 0001P	ACCN: S086542
SHUANGCHENG TZU ARMY BARRACKS AL2				CH 410631N 1002025E	
WAC NO : 0287 BE/OBJ NO: [ ]				NPIC NO : - 1-H2	25X1
IDHS CODE: [ ] EPF CAT : 35A				COMIREX NO: [ ]	25X1
DIA	NBRG	NDA07-5162-78	19 MAR 79	SEC CLASS: 05G MSN: 0001P	ACCN: S086543
SHUANGCHENG TZU DEFENSIVE STRONGPOINT				CH 411613N 1002013E	
WAC NO : 0287 BE/OBJ NO: [ ]				NPIC NO : - 1-K2	25X1
IDHS CODE: [ ] EPF CAT : 35				COMIREX NO:	25X1
DIA	NBRG	NDA07-5163-78	19 MAR 79	SEC CLASS: 05G MSN: 0001P	ACCN: S086544
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 5				CH 414557N 1004208E	
WAC NO : 0287 BE/OBJ NO: [ ]				NPIC NO : - 8	25X1
IDHS CODE: [ ] EPF CAT : 35				COMIREX NO: [ ]	25X1
DIA	NBRG	NDA07-5164-78	19 MAR 79	SEC CLASS: 05G MSN: 0001P	ACCN: S086545
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 4				CH 414323N 1002727E	
WAC NO : 0287 BE/OBJ NO: [ ]				NPIC NO : - 7	25X1
IDHS CODE: [ ] EPF CAT : 35				COMIREX NO: [ ]	25X15X1
DIA	NBRG	NDA07-5165-78	19 MAR 79	SEC CLASS: 05G MSN: 0001P	ACCN: S086546
SHUANGCHENG TZU SPECIAL DEFENSE MOUND 2				CH 415310N 1003327E	

25X1

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

WAC NO : 0287 BE/OBJ NO: NPIC NO : - 20  
IDHS CODE: EPF CAT : 35 COMIREX NO: 25X1  
25X1

DIA NBRG NDA07-5166-78 19 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086547

SHUANGCHENG TZU SPECIAL DEFENSE MOUND 3 CH 415610N 1010140E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 3-R 25X1  
IDHS CODE: EPF CAT : 35 COMIREX NO: 25X1

DIA NBRG NDA07-5167-78 19 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086548

SHUANGCHENG TZU WEAPONS POSITIONS CH 420318N 1012212E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 28-C 25X1  
IDHS CODE: EPF CAT : 35 COMIREX NO: 25X1

DIA NBRG NDA07-5168-78 19 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086549

SHUANGCHENG TZU SPECIAL DEFENSE MOUND 6 CH 420703N 1005405E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 25 25X1  
IDHS CODE: EPF CAT : 35 COMIREX NO: 25X1

DIA NBRG NDA07-5169-78 19 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086550

SHUANGCHENG TZU SPECIAL DEFENSE MOUND 1 CH 421851N 1010654E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 19 25X1  
IDHS CODE: EPF CAT : 35 COMIREX NO: 25X1

DIA NBRG NDA07-5170-78 19 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086551

OCHINACHI DEFENSIVE STRONGPOINT CH 422040N 1011400E  
WAC NO : 0287 BE/OBJ NO: NPIC NO : - 25X1  
IDHS CODE: EPF CAT : 35 COMIREX NO: 25X1

DIA NBRG NDA06-5144-77 16 MAR 79 SEC CLASS: 05A MSN: 0001P ACCN: S086552

AL ISKANDARIYAH PORT FACILITIES EG 311140N 0295255E  
WAC NO : 0448 BE/OBJ NO: NPIC NO : - 2 25X1  
IDHS CODE: EPF CAT : 751 COMIREX NO: 25X1

DIA NBRG NDA07-5171-78 14 MAR 79 SEC CLASS: 05G MSN: 0001P ACCN: S086553

CHINCHOU MILITARY AREA 2 CH 4107 N 12111 E  
WAC NO : 0289 BE/OBJ NO: NPIC NO : - 25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

	IDHS CODE:		EPF CAT : 35	COMIREX NO:		25X1
DIA	NBRG	NDA07-5172-78	14 MAR 79	SEC CLASS: 05G MSN:	0001P	ACCN: S086554
		CHINCHOU MILITARY BARRACKS AL5 + HQ ARTY DIV		CH 410744N 1211059E		
		WAC NO : 0289	BE/OBJ NO:	NPIC NO : - 7-L		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG	NDA07-5173-78	14 MAR 79	SEC CLASS: 05G MSN:	0001P	ACCN: S086555
		PEICHEN ARMY BARRACKS AL1		CH 413607N 1214655E		
		WAC NO : 0289	BE/OBJ NO:	NPIC NO : - 78		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG	NDA07-5174-78	14 MAR 79	SEC CLASS: 05G MSN:	0001P	ACCN: S086556
		HEISHAN ARMY BARRACKS AL1		CH 414115N 1220640E		
		WAC NO : 0289	BE/OBJ NO:	NPIC NO : - 25-A3		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG	NDA07-5175-78	19 MAR 79	SEC CLASS: 05G MSN:	0001P	ACCN: S086557
		PANSHIH MILITARY AREA 1		CH 4256 N 12604 E		
		WAC NO : 0290	BE/OBJ NO:	NPIC NO : -		25X1
		IDHS CODE:	EPF CAT : 35	COMIREX NO:		25X1
DIA	NBRG	NDA07-5176-78	19 MAR 79	SEC CLASS: 05G MSN:	0001P	ACCN: S086558
		PANSHIH ARMY BARRACKS SE AL1 + HQ ARTY DIV		CH 425604N 1260424E		
		WAC NO : 0290	BE/OBJ NO:	NPIC NO : - 137		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG	NDA07-5177-78	19 MAR 79	SEC CLASS: 05G MSN:	0001P	ACCN: S086559
		HUINAN ARMY BARRACKS WEST AL1		CH 424103N 1255943E		
		WAC NO : 0290	BE/OBJ NO:	NPIC NO : - 74-C		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG	NDA07-5178-78	19 MAR 79	SEC CLASS: 05G MSN:	0001P	ACCN: S086560
		HAILUNG ARMY BARRACKS WEST AL3		CH 423847N 1254839E		
		WAC NO : 0290	BE/OBJ NO:	NPIC NO : -		25X1
		IDHS CODE:	EPF CAT : 35A	COMIREX NO:		25X1

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

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DIA NBRG NDA07-5179-78 19 MAR 79

SEC CLASS: 05G MSN:

0001P

ACCN: S086561

PANSHIH ARMY BARRACKS SOUTH AL2

CH 425150N 1260250E

WAC NO : 0290

BE/OBJ NO:

NPIC NO : - 137-C1

IDHS CODE:

EPF CAT : 35A

COMIREX NO:

DIA IIM 5B1-71577-79 20 MAR 79

SEC CLASS: 14B MSN:

0001P

ACCN: S086562

MILITARY, GAZ-66 SMOKE GENERATING VEHICLE

UR

WAC NO :

BE/OBJ NO:

NPIC NO : -

IDHS CODE:

EPF CAT : 35E

COMIREX NO:

25X1

25X1

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TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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DIA	NBRG	NDA07-5180-78	22 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086572
LIAOYANG MILITARY AREA 1				CH	4116 N 12310 E		
WAC NO : 0290				BE/OBJ NO:	NPIC NO : -		
IDHS CODE:				EPF CAT : 35	COMIREX NO:		
DIA	NBRG	NDA07-5181-78	22 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086573
LIAOYANG ARMY BARRACKS AL2 + HQ ARTILLERY DIV				CH	411443N 1230827E		
WAC NO : 0290				BE/OBJ NO:	NPIC NO : - 46-D		
IDHS CODE:				EPF CAT : 35A	COMIREX NO:		
DIA	NBRG	NDA07-5182-78	22 MAR 79	SEC CLASS: 05G	MSN:	0001P	ACCN: S086574

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131  
TOP SECRET CHESS RUFF ZARF UMBRA

TOP SECRET CHESS RUFF ZARF UMBRA

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25X1

HAICHENG ARMY BARRACKS NNE AL7			CH 405148N 1224519E	
	WAC NO : 0289	BE/OBJ NO: [ ]	NPIC NO : -	25X1
	IDHS CODE: [ ]	EPF CAT : 35A	COMIREX NO:	25X1
DIA	NBRG NDA07-5190-78	22 MAR 79	SEC CLASS: 05G MSN:	0001P ACCN: S086579
SSUPING MILITARY AREA 1			CH 4310 N 12420 E	
	WAC NO : 0290	BE/OBJ NO: [ ]	NPIC NO : -	25X1
	IDHS CODE: [ ]	EPF CAT : 35	COMIREX NO:	25X1
DIA	NBRG NDA07-5183-78	22 MAR 79	SEC CLASS: 05G MSN:	0001P ACCN: S086580
SSUPING MILITARY BKS AL1/HQ ANTITANK ARTY DIV			CH 431024N 1242105E	
	WAC NO : 0290	BE/OBJ NO: [ ]	NPIC NO : - 57-C	25X1
	IDHS CODE: [ ]	EPF CAT : 35A	COMIREX NO: [ ]	25X1
DIA	NBRG NDA07-5184-78	22 MAR 79	SEC CLASS: 05G MSN:	0001P ACCN: S086581
TUNGLIAO ARMY BARRACKS SW AL7			CH 433520N 1221415E	
	WAC NO : 0289	BE/OBJ NO: [ ]	NPIC NO : - 29-B6	25X1
	IDHS CODE: [ ]	EPF CAT : 35A	COMIREX NO: [ ]	25X1
DIA	NBRG NDA07-5185-78	22 MAR 79	SEC CLASS: 05G MSN:	0001P ACCN: S086582
PAICHENG ARMY BARRACKS NORTH AL5			CH 453910N 1225015E	
	WAC NO : 0284	BE/OBJ NO: [ ]	NPIC NO : - 5-K1	25X1
	IDHS CODE: [ ]	EPF CAT : 35A	COMIREX NO: [ ]	25X1

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TOP SECRET CHESS RUFF ZARF UMBRA

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DIA IIM 5B3-71666-79 27 MAR 79 SEC CLASS: 13 MSN: 0017P ACCN: S086654 25X1

AIRFIELDS, AIRCRAFT BUNKER SUMMARY	YO
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 05A
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	RO
WAC NO :	BE/OBJ NO:
IDHS CODE:	EPF CAT : 05A
AIRFIELDS, AIRCRAFT BUNKER SUMMARY	AL
WAC NO :	BE/OBJ NO:
	NPIC NO : -
	COMIREX NO:
	NPIC NO : -
	COMIREX NO:
	NPIC NO : -

141  
TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

IDHS CODE:	EPF CAT : 05A	COMIREX NO:
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		BU
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 05A	COMIREX NO:
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		HU
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 05A	COMIREX NO:
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		CZ
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 05A	COMIREX NO:

25X1

AIRFIELDS, AIRCRAFT BUNKER SUMMARY		PL
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 05A	COMIREX NO:
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		UR
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 05A	COMIREX NO:
AIRFIELDS, AIRCRAFT BUNKER SUMMARY		MG
WAC NO :	BE/OBJ NO:	NPIC NO : -
IDHS CODE:	EPF CAT : 05A	COMIREX NO:

THIS MEMORANDUM SUMMARIZES THE 1979 IMAGERY ANALYSIS MEMORANDA THAT MAKE UP THE AIRCRAFT BUNKER STUDY. IT INCLUDES SEVERAL TABLES WHICH TOTAL THE NUMBER OF AIRCRAFT BUNKERS BY COUNTRY, MILITARY DISTRICT, SIZE, AND CONSTRUCTION STATUS.\*

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TOP SECRET CHESS RUFF ZARF UMBRA

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DIA IIM 5B3-71792-79 04 APR 79 SEC CLASS: 13 MSN: 0001P ACCN: S086687 25X1

GORODOK AIRFIELD NE LRA AIRCRAFT SUPPORT CPBL UR 494935N 0234130E  
WAC NO : 0232 BE/OBJ NO: NPIC NO : - 341-A 25X1  
IDHS CODE: EPF CAT : 05A COMIREX NO: 25X1

25X1

149  
TOP SECRET CHESS RUFF ZARF UMBRA

25X1



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TOP SECRET CHESS RUFF ZARF UMBRA

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CIA IRP IS10006K-79 MAR 79 SEC CLASS: 13 MSN: 0014P ACCN: S086703 25X1

URENGOY GAS FIELD 4	BE/OBJ NO:	UR 660307N 0765138E	25X1
WAC NO : 0094	EPF CAT : 30A	NPIC NO : - 2A	25X1
IDHS CODE:		COMIREX NO:	25X1
URENGOY GAS FIELD 3	BE/OBJ NO:	UR 660521N 0764033E	25X1
WAC NO : 0094	EPF CAT : 30A	NPIC NO : - 27	25X1
IDHS CODE:		COMIREX NO:	25X1
URENGOY GAS FIELD 2	BE/OBJ NO:	UR 662859N 0764052E	25X1
WAC NO : 0094	EPF CAT : 30A	NPIC NO : - 26	25X1
IDHS CODE:		COMIREX NO:	25X1
URENGOY GAS FIELD 1	BE/OBJ NO:	UR 660300N 0764735E	25X1
WAC NO : 0094	EPF CAT : 30A	NPIC NO : - 25	25X1
IDHS CODE:		COMIREX NO:	25X15X1

THE URENGOY GASFIELD IN NORTHWESTERN SIBERIA, POSSIBLY THE LARGEST GASFIELD IN THE WORLD, IS BEING DEVELOPED RAPIDLY AND IS IN LIMITED PRODUCTION. GAS WAS FIRST DISCOVERED AT URENGOY IN 1966 AND DEVELOPMENT OF THE FIELD BEGAN IN THE EARLY 1970S. THE URENGOY FIELD WILL PROVIDE MOST OF THE GROWTH IN SOVIET NATURAL GAS PRODUCTION IN THE 1980S AND WILL CONTRIBUTE SIGNIFICANTLY TO THE USSR'S ABILITY TO INCREASE ENERGY SUPPLIES.

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153  
TOP SECRET CHESS RUFF ZARF UMBRA

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TOP SECRET CHESS RUFF ZARF UMBRA

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NPIC MEMO 03 APR 79 SEC CLASS: 14B MSN: 0002P ACCN: S086726

25X1

KRASNY BOR RADIO RELAY STATION NEW

WAC NO : 0153 BE/OBJ NO: EPF CAT : 25D

UR 594025N 0304210E

NPIC NO : - 83-A2

COMIREX NO:

LYUBAN RADIO RELAY STATION NORTH NEW

WAC NO : 0153 BE/OBJ NO: EPF CAT : 25D

UR 592150N 0311450E

NPIC NO : - 103-A1

COMIREX NO:

KIRISHI RADIO RELAY STATION

WAC NO : 0153 BE/OBJ NO: EPF CAT : 25D

UR 592630N 0320040E

NPIC NO : - 138-B

COMIREX NO:

KLINETS RADIO RELAY STATION NEW

WAC NO : 0153 BE/OBJ NO: EPF CAT : 25D

UR 592900N 0325400E

NPIC NO : - 230

COMIREX NO:

CHAGODA RADIO RELAY STATION NEW

WAC NO : 0154 BE/OBJ NO: EPF CAT : 25D

UR 591054N 0352005E

NPIC NO : - 119-A

COMIREX NO:

ANISIMOV RADIO RELAY STATION NEW

WAC NO : 0154 BE/OBJ NO: EPF CAT : 25D

UR 591000N 0350930E

NPIC NO : - 183

COMIREX NO:

THIS MEMO REVIEWS ALL PERTINENT KEYHOLE PHOTOGRAPHY TO IDENTIFY NEW RADIO-RELAY STATIONS BETWEEN SAMOYLOVO AND CHEREPOVETS, USSR. TWO STATIONS, ANISIMOV AND CHAGODA RADIO-RELAY STATIONS WERE IDENTIFIED. THIS MEMO PROVIDES THE NUMBER, TYPE, AND ORIENTATION OF THE ANTENNAS OBSERVED AT THE STATIONS. ALSO, FOUR NEW RADIO-RELAY STATIONS THAT EXTEND THE RADIO-RELAY LINE FROM SAMOYLOVO TO KRASNY BOR (LENINGRAD) WERE IDENTIFIED. THE NEW STATIONS WERE IN THE STAGES OF CONSTRUCTION AND NO ANTENNAS WERE OBSERVED.\*

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1  
25X1

NPIC MEMO 04 APR 79

SEC CLASS: 14D MSN:

0002P

ACCN: S086727

VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER

WAC NO : 0291

BE/OBJ NO:

UR 430657N 1315340E

NPIC NO : - 48-F2

IDHS CODE:

EPF CAT : 25B

COMIREX NO:

VLADIVOSTOK RADIO/TV BROADCAST STUDIO CENTER

UR 430657N 1315340E

WAC NO : 0291

BE/OBJ NO:

NPIC NO : - 48-F2

IDHS CODE:

EPF CAT : 25D

COMIREX NO:

VLADIVOSTOK TV TRANSMITTER STATION 1

UR 430704N 1315501E

WAC NO : 0291

BE/OBJ NO:

NPIC NO : - 48-F1

IDHS CODE:

EPF CAT : 25B

COMIREX NO:

THIS MEMO PROVIDES A BRIEF DESCRIPTION OF VLADIVOSTOK TELEVISION TRANSMITTER STATION 1 AND VLADIVOSTOK RADIO AND TELEVISION BROADCAST STUDIO CENTER. IT ALSO GIVES THE NUMBER, TYPE, AND ORIENTATIONS OF ANTENNAS OBSERVED AT THESE STATIONS.\*

25X1  
25X1

25X1  
25X1

25X1  
25X1

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

DIA IIM 583-71796-79 05 APR 79 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S086825 25X1  
GOSTOMEL AIRFIELD LRA AIRCRAFT SUPPORT CPBL UR 503601N 0301143E 25X1  
WAC NO : 0233 BE/OBJ NO: [REDACTED] NPIC NO : - 17 25X1  
IDHS CODE: [REDACTED] EPF CAT : 05A COMIREX NO: [REDACTED] 25X1

DIA IIM 583-71806-79 06 APR 79 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S086827 25X1  
POCHEP AIRFIELD LRA AIRCRAFT SUPPORT CPBL UR 525555N 0332400E 25X1  
WAC NO : 0167 BE/OBJ NO: [REDACTED] NPIC NO : - 118-A 25X1  
IDHS CODE: [REDACTED] EPF CAT : 05A COMIREX NO: [REDACTED] 25X1

DIA IIM 583-71823-79 09 APR 79 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S086829 25X1  
KALININO AIRFIELD LRA SUPPORT CAPABILITY UR 410630N 0441600E 25X1  
WAC NO : 0325 BE/OBJ NO: [REDACTED] NPIC NO : - 25X1  
IDHS CODE: [REDACTED] EPF CAT : 05A COMIREX NO: [REDACTED] 25X1

161  
TOP SECRET CHESS RUFF ZARF UMBRA

25X1

TOP SECRET CHESS RUFF ZARF UMBRA

25X1

25X1

DIA IIM 5B3-71822-79 09 APR 79 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S086832 25X1  
ENGELS/LEBEDOVO AIRFIELD LRA SUPPORT CPBL UR 511712N 0461355E 25X1  
WAC NO : 0235 BE/OBJ NO: [REDACTED] NPIC NO : - 6-C 25X1  
IDHS CODE: [REDACTED] EPF CAT : 05A COMIREX NO: 25X1  
DIA IIM 5B3-71801-79 09 APR 79 [REDACTED] SEC CLASS: 13 MSN: 0001P ACCN: S086833 25X1  
DOLINSKAYA AIRFIELD LRA SUPPORT CAPABILITY UR 480130N 0324154E 25X1  
WAC NO : 0233 BE/OBJ NO: [REDACTED] NPIC NO : - 135 25X1  
IDHS CODE: [REDACTED] EPF CAT : 05A COMIREX NO: 25X1

25X1

25X1

162  
TOP SECRET CHESS RUFF ZARF UMBRA

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